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October 21, 2010

Ms. Elizabeth Victor
Remediation and Redevelopment Program Hydrogeologist
Wisconsin Department of Natural Resources
625 East County Road Y, Suite 700
Oshkosh, WI 54901

Subject: WisDOT – SW Quadrant STH 76/Mason St. – Adjacent to Current Residence (Former White's Grocery Store) Located at N3671 STH 76, Stephensville, Wisconsin
WisDOT ID #6517-07-74

Dear Ms. Victor:

Enclosed is the Underground Storage Tank Abandonment and Site Investigation and Remediation Report for the above referenced property in Stephensville, Wisconsin. RMT's field observations and field-screening, as well as laboratory analytical results, indicate that residual soil and groundwater petroleum contamination remains at this site. Because significant petroleum-contaminated soil was removed and the extent of residual petroleum contamination in the soil and groundwater has been adequately defined, additional investigation or remediation is not recommended for this site. Rather, the site should be closed with a GIS Registry. This report is being submitted to the WDNR in accordance with current site assessment guidance.

If you concur with the findings and recommendations in this report, a Site Closure Request and GIS Registry for soil and groundwater contamination will be prepared. Feel free to contact me, at (608) 662-5138, with any questions or comments.

Sincerely,

RMT, Inc.

Mark Walter
Environmental Specialist

Enclosure: Underground Storage Tank Abandonment and Site Investigation and Remediation Report (hard copy and pdf on CD)

cc: WDNR UST Closure Assessments (hard copy and pdf on CD)
Shar TeBeest – WisDOT (hard copy and pdf on CD)
Kathie VanPrice – WisDOT (hard copy and pdf on CD)
Dick Fish – RMT (pdf on CD)
Dan Haak – RMT (pdf on CD)

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Underground Storage Tank Abandonment and Site Investigation and Remediation Report

Southwest Quadrant of STH 76 and Mason Street (Adjacent to N3671 STH 76) Stephensville, Wisconsin

WisDOT ID #6517-07-74

October 2010

Prepared For
Wisconsin Department of Transportation

Daniel Haak
Project Engineer

Richard P. Fish
Vice President

RMT, Inc. | Wisconsin Department of Transportation
Final
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Executive Summary

The Wisconsin Department of Transportation (WisDOT) is reconstructing STH 76 in Stephensville, Wisconsin. On August 2, 2010, the highway contractor Murphy Concrete & Construction, Inc. (MCC) encountered two unknown underground storage tanks (USTs) in the STH76 right-of-way during grading for sidewalk construction. On August 6, 2010, RMT and its remover/cleaner subcontractor, SGS Environmental Contracting, LLC (SGS), mobilized to the site to abandon one 350-gallon and one 400-gallon UST. The 350-gallon UST was previously crushed and was empty. Approximately 225 gallons of liquid (water and tank sludge) were removed from the 400-gallon UST and placed in 55-gallon drums for off-site treatment and disposal by Veolia Environmental Services (Veolia). During the abandonment of the USTs, significant petroleum-contamination (elevated Photoionization Detector (PID) readings, staining, and odors) was noted in the soil (groundwater was not encountered) adjacent to the USTs. Approximately 20 tons of petroleum-contaminated soil were over-excavated and temporarily stockpiled for off-site treatment and disposal. Six soil samples were collected from the tank excavation for laboratory analysis.

Laboratory analytical results of the soil samples, collected after over-excavation of 20 tons of petroleum-contaminated soil, confirmed that residual petroleum-contamination remained in the soil surrounding the USTs. Additional investigation and remediation was recommended for this site.

On August 9, 2010, RMT notified the WDNR of the contamination. The WDNR issued a responsible party letter to the WisDOT on September 1, 2010. On August 20, 2010, RMT and their excavation subcontractor, SGS, and Geoprobe® subcontractor, Geiss Soil & Samples, LLC (Geiss) mobilized to the site to over-excavate additional petroleum-contaminated soil, construct one test pit, construct five Geoprobe® borings, and collect soil and groundwater samples. In total, 104.83 tons of petroleum-contaminated soil was treated and disposed at Veolia's Hickory Meadows Landfill in Hilbert, WI.

RMT's field observations and field-screening, as well as laboratory analytical results, indicate that residual soil and groundwater petroleum contamination remains at this site. Because source area petroleum-contaminated soil was removed and the extent of residual petroleum contamination in the soil and groundwater has been adequately defined, additional investigation or remediation is not recommended for this site. Rather, the site should be closed with a GIS Registry for residual soil and groundwater contamination.

Section 1
Introduction

1.1 Background

The Wisconsin Department of Transportation (WisDOT) is reconstructing STH 76 in Stephensville, Wisconsin. A site location map is presented in Figure 1 and highway construction plans are presented in Appendix A. The project is nearing completion. On August 2, 2010, the highway contractor, Murphy Concrete & Construction, Inc. (MCC), encountered two unknown underground storage tanks (USTs) in the STH 76 right-of-way during grading for sidewalk construction. A site plan is presented in Figure 2. The Wisconsin Department of Commerce's (WDCOM's) Storage Tank Database and the Department of Natural Resources' (WDNR's) Leaking Underground Storage Tank (LUST) database did not contain any data specific to these USTs. Previous investigations and interviews indicate the site was formerly a grocery store which sold gasoline. Additionally, WDCOM's Storage Tank Database lists White's Grocery Store as the owner of a 2,000 gallon unleaded gasoline UST that was closed/removed from the site on January 4, 1988. This database also lists White's Grocery Store as the owner of an 8,000 gallon leaded gasoline UST that was closed/removed from a site on STH 76 on April 4, 1989. More specific site address information is not listed for the latter of these tanks. Tank details are presented in Appendix B. The WisDOT removed the USTs encountered on August 2, 2010 since they were within the right-of-way and the construction limits for the planned highway reconstruction.

RMT's subcontractors and site personnel for the UST removals were as follows:

George Frick
SGS Environmental Contracting, LLC
N2570 Daytona Drive
Merrill, WI 54452
WI LUST Remover/Cleaner Cert. #42191

Daniel Haak
RMT, Inc.
744 Heartland Trail
Madison, Wisconsin 53717
(608) 831-4444
WI LUST Site Assessor Cert. #683396

1.2 Purpose and Scope

The purpose of this report is to document the tank abandonments and subsequent site remediation and investigation activities in Stephensville, Wisconsin. This report has been prepared in substantial conformance with Wisconsin Administrative Code, Department of Commerce (DCOM), Chapter COMM 10, "Flammable and Combustible Liquids."

Section 2
Description of Site Activities

2.1 Tank Removal Activities

On August 6, 2010, RMT and its remover/cleaner subcontractor, SGS Environmental Contracting, LLC (SGS), mobilized to the site to abandon the USTs. Photographs are presented in Appendix C. The USTs were approximately 400 and 350 gallons in size and previously contained gasoline. The 350-gallon UST was previously crushed and empty. The USTs were lying north/south, parallel to STH 76 (Figure 2). Approximately 225 gallons of liquid (water and tank sludge) were removed from the 400-gallon UST and placed in 55-gallon drums for off-site treatment and disposal by Veolia Environmental Services (Veolia). The hazardous (sludge) and non-hazardous (liquid) waste inventory records for the contents pumped from the tank are presented in Appendix D.

Each tank was constructed of single-walled steel and was rusted with holes. A small amount of piping was discovered and removed. The tanks were cleaned and taken to a recycling center to be recycled for scrap metal. The tank closure checklists and tank inventory forms are presented in Appendices E and F, respectively.

During the excavation and abandonment of the USTs, significant petroleum contamination (elevated Photoionization Detector (PID) readings, staining, and odors) was noted in the soil (groundwater was not encountered) adjacent to the USTs. After the USTs were removed, approximately 20 tons of petroleum contaminated soil were over-excavated to a depth of approximately 8 feet bgs and temporarily stockpiled for off-site treatment and disposal. After the over-excavation of the 20 tons of petroleum-contaminated soil, six soil samples were collected from the sidewalls and base of the tank excavation for laboratory analysis. Excavation sample locations are shown on Figure 3. The tank excavation was backfilled with clean overburden soil and granular fill and compacted.

A Notification for Hazardous Substance Discharge Form 4400-225 was completed by RMT and sent to the WDNR on August 11, 2010. This form is presented in Appendix G.

Laboratory analytical results are presented in Appendix H and are summarized and compared to NR 720 generic RCLs and NR 746 standards in Table 1. These results confirm that residual petroleum contamination remained in the soil surrounding the USTs. As noted in Table 1, the residual petroleum-contaminated soil exceeds the NR720 generic residual contaminant levels (RCLs) and/or NR 746 standards for gasoline range organics (GROs), diesel range organics

(DROs), trimethylbenzenes, ethylbenzene, naphthalene, toluene, and/or xylenes in two sidewall samples (SWN and SWE) and one base sample (BN).

2.2 Impacted Soil Removal

Additional remediation was recommended at this site to further remove petroleum-contaminated soils in the source area identified during the August 6, 2010 UST abandonment. Representatives from RMT and its excavation subcontractor SGS, re-mobilized to the site on August 20, 2010. RMT directed SGS to over-excavate approximately 85 tons of petroleum-contaminated soil to a depth of approximately 10 feet bgs and haul, along with the petroleum-contaminated soil excavated during the UST abandonment (approximately 20 tons), to Veolia's Hickory Meadows Landfill in Hilbert, WI (Hickory Meadows) for bioremediation and disposal. In total, 104.83 tons of petroleum-contaminated soil was treated and disposed at Hickory Meadows. The bioremediation request and landfill activity report are presented in Appendices I and J, respectively. The excavation began in the most heavily petroleum-contaminated areas discovered during UST abandonment, and extended to the north and to the west. Excavated soils were field-screened for odors, staining, and elevated PID readings. Samples were collected for laboratory analysis for DRO, GRO, and Petroleum Volatile Organic Compounds (VOCs) from the north (SW North) and west (SW West) sidewalls and near the southeastern corner of the base of the excavation (BASE). Excavation sample locations are shown on Figure 3. The excavation was limited to the east by a gas main and newly constructed curb.

Field-screening indicated, and laboratory analytical results confirmed, that the excavation sidewalls contained little or no petroleum contamination, but that soil at the southeastern corner of the base of the excavation (approximately 10 feet bgs) contained concentrations of DRO, GRO, trimethylbenzenes, benzene, ethylbenzene, naphthalene, toluene, and xylenes in this base sample exceed generic NR 720 RCLs and/or NR 746 standards.

RMT directed SGS to construct one test pit, to a depth of 10 feet bgs, directly east of the newly constructed curb and petroleum-contaminated base sample. Field-screening and laboratory analytical results indicate that soils collected from the test pit were non-detect. Samples collected during the August 6, 2010 UST abandonment indicate that soils to the south of the previous tank bed and above the water table contain little or no petroleum contamination.

2.3 Soil and Groundwater Sampling

Additional investigation was recommended at this site to further define the extent of petroleum contamination in the soil and groundwater. Representatives from RMT and its Geoprobe ® subcontractor, Geiss Soil & Samples, LLC (Geiss), mobilized to the site on August 20, 2010. RMT directed Geiss to construct 5 borings using a truck mounted Geoprobe ® around the

former UST area. Boring logs are presented in Appendix K. The borings were advanced to depths ranging from 16 to 20 feet bgs. Boring depths were based on the extent of petroleum contamination and the depth to groundwater. Temporary wells were installed at 4 boring locations for groundwater sample collection. A groundwater sample was also collected from the private well on site (N3671 STH 76). Boring and well locations, as well as the estimated limits of residual soil and groundwater petroleum contamination, are shown on Figure 2.

Soil samples were collected continuously at each boring location for field description according to the United Soil Classification System (USCS) and field-screened for staining, odors, and for VOCs using a PID.

Soils in the area of the construction corridor consist of clayey sand, clay, silt, and sand. Low-level petroleum contamination was observed near the water table in boring GP-1, to the south of the previous tank locations, and petroleum contamination was observed near the water table in borings GP-2 and GP-4, to the southeast of the previous tank locations. Unsaturated soils at these locations did not exhibit evidence of petroleum-contamination.

One soil sample was collected from borings GP-1 and GP-2 for laboratory analysis. Both of those samples appear to have been collected from the soil/groundwater interface. Soil samples collected from borings GP-3, GP-4 and GP-5 were not submitted for laboratory analysis because the petroleum contamination encountered in these borings was located in saturated soils.

One groundwater sample was collected from the site's private well (PW), and borings GP-1, GP-2, GP-3, and GP-5, for laboratory analysis. Boring GP-4 was used only as a field screening boring to determine the extent of petroleum contamination. A groundwater sample was not collected from this boring.

Following sample collection, borings were immediately abandoned using 3/8 inch bentonite chips. Borehole abandonment forms are presented in Appendix K.

Soil cuttings generated during this investigation were combined with the excavated impacted soil discussed in Section 2.2 and hauled to Veolia's Hickory Meadows Landfill for bioremediation and disposal.

2.4 Soil Analytical Results

Soil samples were laboratory-analyzed at Pace Analytical Services, Inc. (Pace) for DRO, GRO, PVOCs, and naphthalene. Soil laboratory results are presented in Appendix H and are summarized and compared to NR 720 generic RCLs and NR 746 standards in Table 1. NR 720 generic RCLs were exceeded by the concentrations of GRO and naphthalene in sample GP-1 at

14-16 feet bgs, and exceeded by the concentrations of GRO, ethylbenzene, naphthalene, and xylenes in sample GP-2 at 16-18 feet bgs. Based on field screening results, unsaturated soil above the confirmed contamination in GP-1 and GP-2 does not appear to be impacted. Contaminant concentrations in these samples did not exceed any NR 746 standards.

2.5 Groundwater Analytical Results

Groundwater samples were laboratory-analyzed at Pace for PVOCs, naphthalene, and dissolved lead. Groundwater laboratory results are presented in Appendix H and are summarized and compared to NR 140 Preventative Action Limits (PAL) and NR 140 Enforcement Standards (ES) in Table 2. NR 140 PALs were exceeded by concentrations of naphthalene and lead in sample GP-1, exceeded by concentrations of benzene, naphthalene, trimethylbenzenes, and lead in sample GP-2, and exceeded by the concentration of lead in sample GP-3. The benzene concentration in the sample GP-2 also exceeded the NR 140 ES. The concentrations of the reported lead exceedences are estimated values that are between the detection limit and the reporting limit. The parameters analyzed for were not detected in the samples collected from GP-5 and PW.

Section 3
Findings, Conclusions, and Recommendations

RMT's field observations and field-screening, as well as laboratory analytical results, indicate the following:

- USTs that were located in the STH 76 right-of-way were abandoned by removal in accordance with the requirements of DCOM 10. A closure assessment was performed on the USTs.
- Five 55-gallon drums containing approximately 225 gallons of liquids and tank sludge were removed from the tanks and containerized for off-site disposal by Veolia.
- Petroleum contamination existed in the soil surrounding the USTs. An over-excavation of 104.83 tons of petroleum-contaminated soil was completed near the USTs.
- The excavation was backfilled and compacted.
- One test pit and five Geoprobe ® borings were constructed to define the extent of residual petroleum-contaminated soil and groundwater at this site.
- Residual contaminated soil in the unsaturated zone appears to be limited to the base of the excavation at 10 feet bgs (at Base sample) and in east sidewall (at SWE sample). Other reported NR 720 RCL exceedences in soil samples was in samples collected from the soil/groundwater interface.
- Groundwater contamination above NR 140 ES remains at GP-2 and above NR 140 PAL at GP-1 and GP-2.
- Significant petroleum-contaminated soil was removed and the extent of residual petroleum contamination in the soil and groundwater has been adequately defined. Additional investigation or remediation is not recommended for this site.
- The site should be closed with a GIS Registry for residual soil and groundwater contamination.

Table 1
Summary of Soil Analytical Results
STH 76, Stephensville, Wisconsin – WisDOT Project ID #6517-07-74
August 6, 2010 and August 20, 2010

ANALYTE	NR 720 RCL	NR 746 STANDARD	AUGUST 6, 2010 SOIL SAMPLE ID AND DEPTH (feet bgs)							AUGUST 20, 2010 SOIL SAMPLE ID AND DEPTH (feet bgs)					
			SWN[4] 3	SWE 3	SWS 3	SWW 3	BN[4] 8	BS 8	WC[4] --	GP1 14 - 16	SW NORTH 4 - 5	TP 10	GP2 16 - 18	SW WEST 4 - 5	BASE 10
PID	--	--	119	279	29	3	472	7	> 2,000	8	< 1	< 1	446	< 1	1,889
DRO (mg/kg)	100	--	*344*	*363*	< 1.2	< 1.0	*330*	< 1.0	4.2	28.3	< 1.1	< 1.0	37.7	< 0.85	*371*
GRO (mg/kg)	100	--	*2,890*	*4,210*	< 3.1	4.8	*1,890*	< 2.9	*240*	*240*	< 2.9	< 2.8	*701*	< 3.1	*1,700*
1,2,4-Trimethylbenzene (µg/kg)	--	83,000	72,200	**173,000**	< 25.0	68.5 J	77,900	< 25.0	8,540	1,060	< 25.0	< 25.0	16,800	< 25.0	32,600
1,3,5-Trimethylbenzene (µg/kg)	--	11,000	**44,500**	**86,800**	< 25.0	82.8	**31,100**	< 25.0	4,920	1,350	< 25.0	< 25.0	7,690	< 25.0	**17,600**
Benzene (µg/kg)	5.5	8,500 / 1,100[1]	< 625	< 1,000	< 25.0	< 25.0	< 500	< 25.0	< 50.0	< 25.0	< 25.0	< 25.0	< 125	< 25.0	*1,370*
Ethylbenzene (µg/kg)	2,900	4,600	***17,700***	***20,600***	< 25.0	< 25.0	***27,100***	< 25.0	861	828	< 25.0	< 25.0	*4,460*	< 25.0	***14,100***
MTBE (µg/kg)	--	--	< 625	< 1,000	< 25.0	< 25.0	< 500	< 25.0	< 50.0	72.0 J	< 25.0	< 25.0	162 J	< 25.0	< 250
Naphthalene (µg/kg)	400[2]	2,700	***17,500 B***	***19,400 B***	< 25.0	48.3 J, B	***12,000 B***	< 25.0	*1,930 B*	*449*	< 25.0	< 25.0	*2,640*	< 25.0	***7,790***
Toluene (µg/kg)	1,500	38,000	*11,000*	*4,790*	< 25.0	< 25.0	*32,200*	< 25.0	83.1 J	163	< 25.0	< 25.0	620	< 25.0	*14,700*
Total xylenes (µg/kg)	4,100	42,000	***130,000***	***93,200***	< 75.0	< 75.0	***155,000***	< 75.0	*7,500*	2,114	< 75.0	< 75.0	*8,550*	< 75.0	***69,100***
Lead (mg/L)[3]	--	--	NA	NA	NA	NA	NA	NA	< 0.019	NA	NA	NA	NA	NA	NA

Notes:
RCLs = Wisconsin Administrative Code Chapter NR 720 generic Residual Contaminant level. RCL for lead is non-industrial standard.
bgs = below ground surface.
PID = photoionizaton detector.
DRO - diesel range organics.
GRO = gasoline range organics.
-- = no RCL established.
NA = not analyzed.
NR = Laboratory analytical results not yet received.
B = Analyte was detected in the associated method blank.
J = estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
ITALICS values exceed NR 720 RCL.
BOLD values exceed NR 746 Standard.

Prepared by: MDW 08/24/10
Checked by: JMO 10/11/10

Footnotes:
(1) 1,100 applies to the top 4 ft of soil per NR 746 Direct Contact Standard.
(2) RR-519-97 groundwater pathway RCL for naphthalene.
(3) Lead analyzed using Toxicity Characteristic Leaching Procedure (TCLP) testing. Total lead analysis was not performed.
(4) Soil excavated and treated/disposed at Veolia's Hickory Meadows Landfill.

Table 2
Summary of Groundwater Analytical Results
STH 76, Stephensville, Wisconsin – WisDOT Project ID #6517-07-74
August 20, 2010

ANALYTE	UNITS	ES	PAL	GP1	GP2	GP3	GP5	PW[(1)]
PVOCs								
Benzene	µg/L	5	0.5	< 0.39	***96.5***	< 0.39	< 0.39	< 0.39
Ethylbenzene	µg/L	700	140	73.0	126	< 0.41	< 0.41	< 0.41
Methyl Tert-Butyl Ether	µg/L	60	12	4.8	0.85 J	< 0.38	< 0.38	< 0.38
Naphthalene	µg/L	100	10	*57.8*	*68.3*	< 0.40	< 0.40	< 0.40
Toluene	µg/L	1,000	200	< 0.42	20.6	< 0.42	< 0.42	< 0.42
Trimethylbenzenes	µg/L	480	96	89.7	*119.8*	< 0.83	< 0.83	< 0.83
Xylenes	µg/L	10,000	1,000	50.4	168.6	< 1.25	< 1.25	< 1.25
Total Metals								
Lead	µg/L	15	1.5	*1.9 J*	*1.9 J*	*1.9 J*	< 1.7	< 1.7

Notes:

Prepared by: MDW 8/24/2010

ES = NR 140 Enforcement Standard; analytical results that exceed the ES are shown in **bold** font.

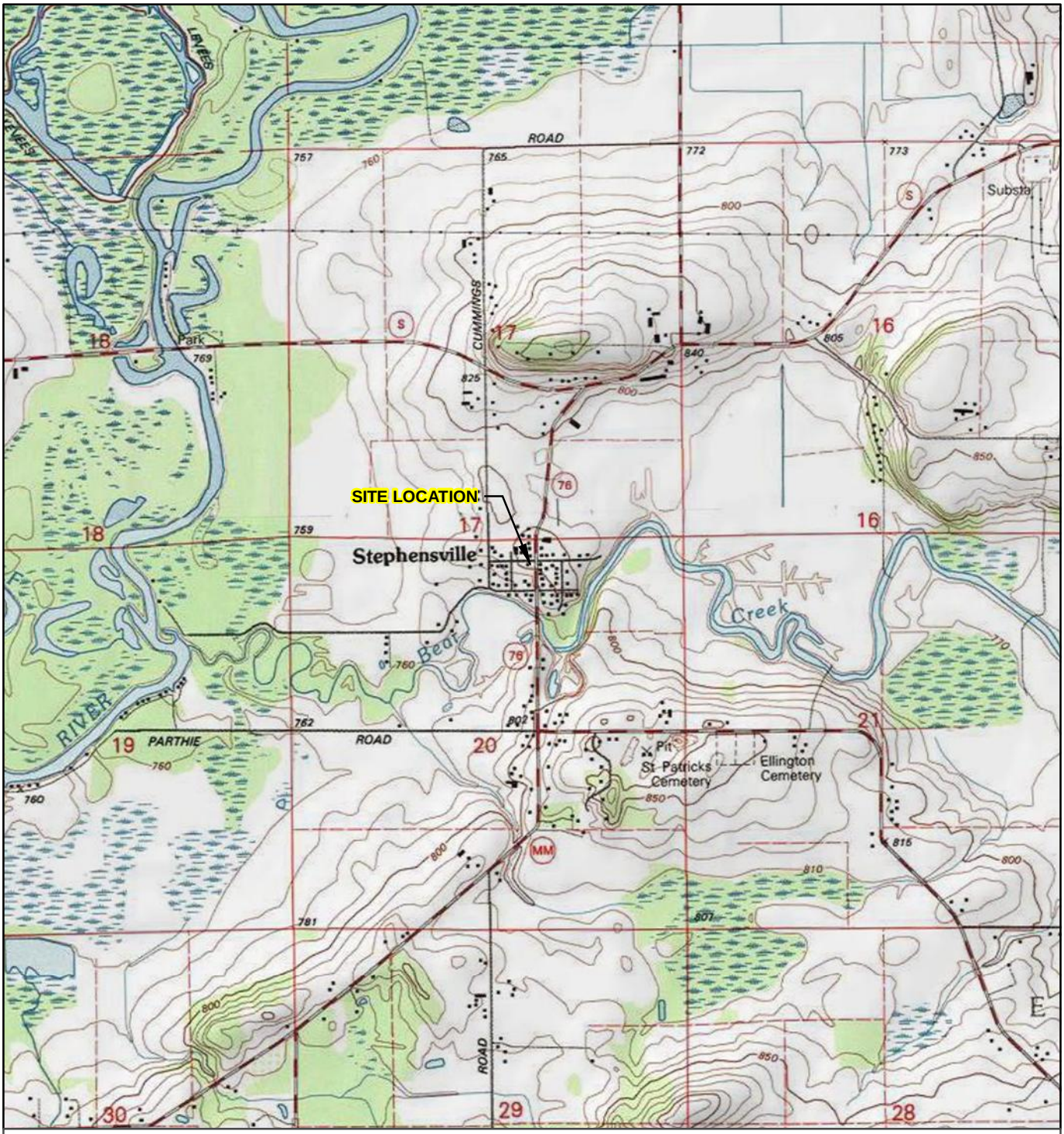
Checked by: JMO 10/11/2010

J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

PAL = NR 140 Preventative Action Limit; analytical results that exceed the PAL are shown in *italics* .

Footnotes:

(1) Sample PW was collected from the site's private well.



RMT
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

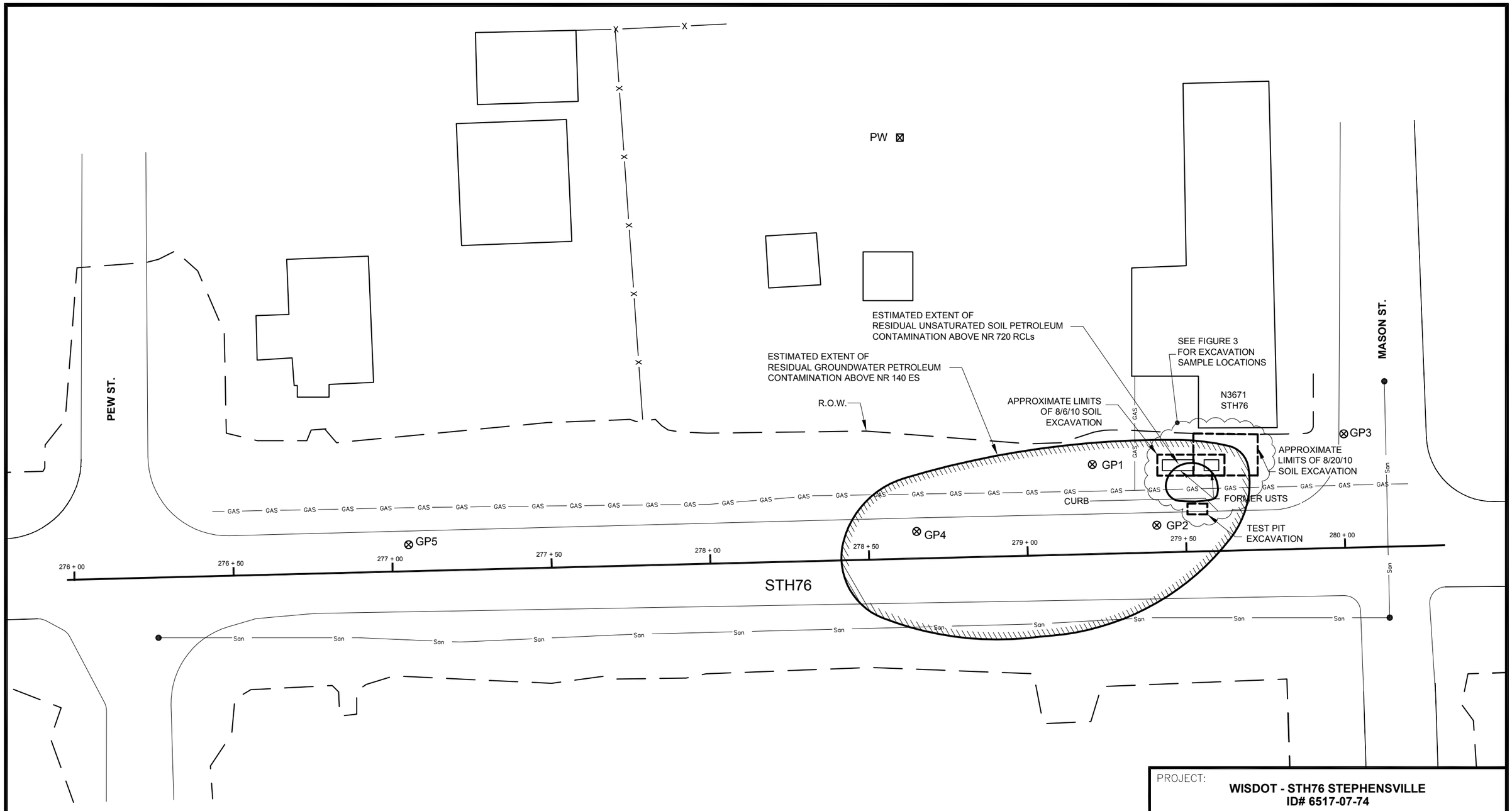
WIDOT ID 6517-07-74
STH 76
OUTAGAMIE COUNTY, WISCONSIN

SITE LOCATION MAP

DRAWN BY:	MCKEEFRY J
APPROVED BY:	WALTER M
PROJECT NO:	06343.02.001
FILE NO.	63430201.mxd
DATE:	OCTOBER 2010

D:\06343\02\63430201.mxd
Printed By: PAPEZJ on 10/21/2010, 08:47 AM

FIGURE 1



GP1 ⊗ = SOIL BORING

PW ⊠ = PRIVATE WELL

0 30 60

PROJECT:
WISDOT - STH76 STEPHENSVILLE
ID# 6517-07-74

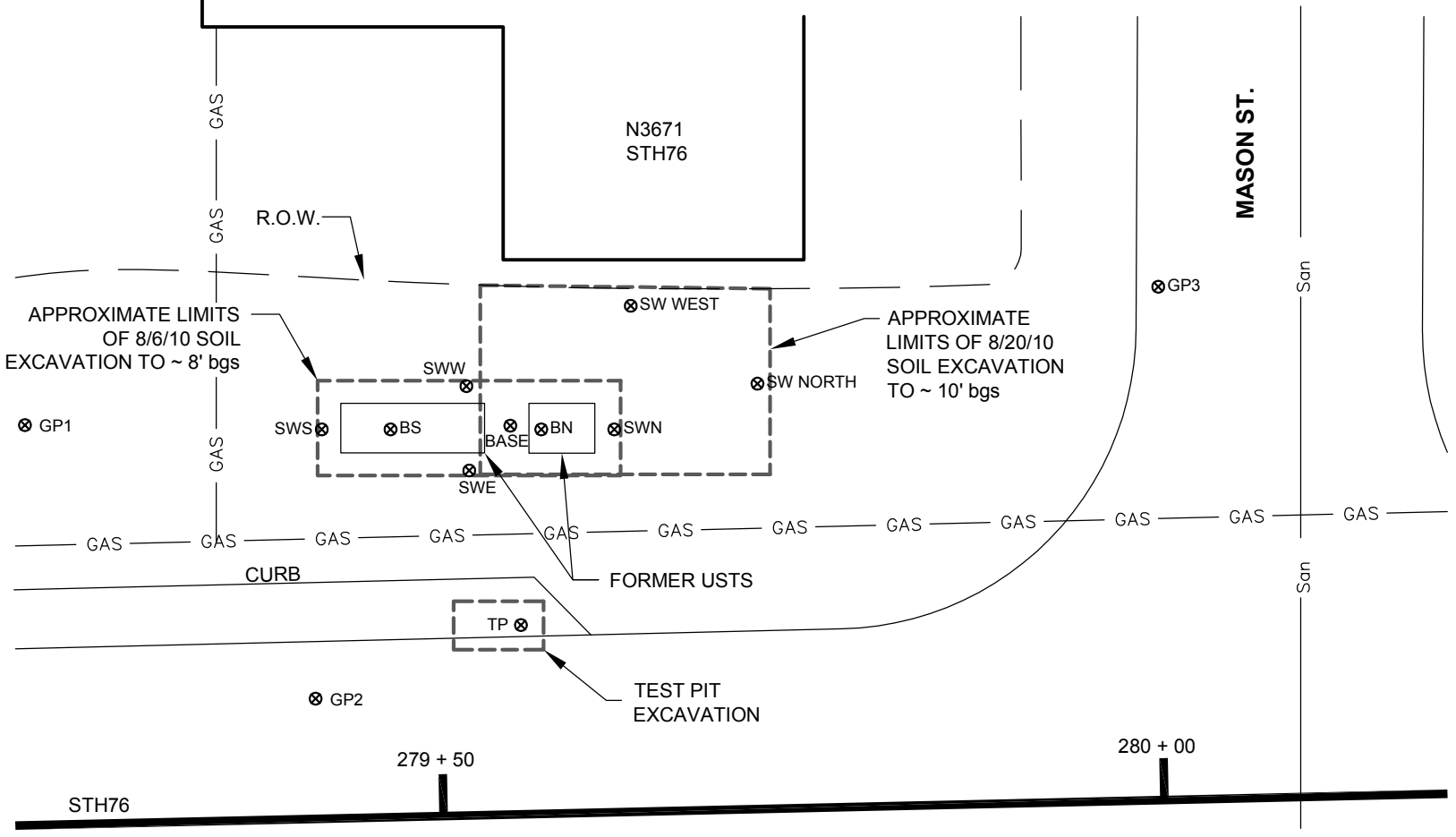
SHEET TITLE:
SITE PLAN

DRAWN BY: EF/WB	SCALE:	PROJ. NO. 06343.02.001
CHECKED BY: WALTER	See bar scale	FILE NO. 06343.01.02.dwg
APPROVED BY: HAAK	DATE PRINTED:	**Figure 2**
DATE: October 2010		

RMT
744 Heartland Trail
Madison, WI 53717
P.O. Box 8923 (53708)
Phone: 608-831-4444
Fax: 608-956-7778

Drawing Name:
Operator Name: W Berry

Drawing Name: J:\06343\02\06343.01.01.dwg
Operator Name: W Berry



RMT
744 Heartland Trail
Madison, WI 53717
P.O. Box 8923 (53708)
Phone: 608-831-4444
Fax: 608-956-7778

WISDOT - STH76 STEPHENSVILLE
ID# 6517-07-74

FIGURE 3
EXCAVATION SAMPLE LOCATIONS

DRAWN BY:	EF/WB
APPROVED BY:	HAAK
PROJECT NO.	06343.02.001
FILE NO.	06343.01.01.dwg
DATE:	October 2010

Appendix A
Highway Construction Plans

BEGIN PROJECT 6517-07-74
STA. 255+27.65

CATHOLIC CEMETERY
ELLINGTON CEMETERY
DAVID MAASS
230
PI 231+40.13
∠ = 180°-20'-57"
180°-14'-34"
ALLEN DADDATZ
235
PI 238+90.16
∠ = 180°-17'-09"
240
ORVILLE NELSON
N
245
LEVAHN RIEHL
DON AND BEA RIGGLES
250
WILLIAM AND RANNE CLAUSNITZER
RADOMIR PREMOVIC
GARY AND PALETHA MATTEK
255
CTH MM
PI 257+09.79
∠ = 269°-23'-28"
STH 76
JEROME KUEHL
RICHARD AND LUCILLE GORDEE
JOHN M. AND DEANNA L. DRUM
HOLDCROFT REV TRUST
ALLEN AND KATHLEEN KADDATZ
PI 250+04.24
∠ = 179°-20'-18"
JASON GORGES
CHUCK HANSON
VUKASIN PAVLOVIC

5

260
265
270
N
PI 272+62.46
∠ = 180°-37'-01"
275
PEW ST
280
MASON ST
BEGIN BALANCE 6
284+00
285
PC 285+70.22
PT 287+89.24
PI 269°
STH 76
PC 282+77.95
PT 284+81.96
END PROJECT 6517-07-74
STA. 284+81.96
286+40 RT
18" CPCL III

ALVIN GRIESBACH
INSTALL (3)
24" CLASS IV RCCP
PT 287+89.24
290
N
295
STH 76
END BALANCE 6
292+00
SENSITIVE AREA
EXISTING 4' X 1.5' RC BOX
TO BE REPLACED, 290+15
ALVIN GRIESBACH
DENNIS KRISHER
ROBERT G & SANDRA L PRUHTY
300
PC 297+33.63
PT 300+81.56
PI 45+93.18 AH
∠ = 180°-04'-18"
301+13.50 BK
ROBERT KETTNER
PC 48+36.81
CTH S
50
END PROJECT 6517-07-71
STA. 49+58.00
PT 49+58.09
TOWN OF ELLINGTON

PROJECT NO: 6517-07-71	HWY: STH 76	COUNTY: OUTAGAMIE	PLAN	SHEET	E

Appendix B
WDCOM Storage Tank Database Search Results

Search Instructions	Search by Site, Owner, or Tank Characteristics	Search by Tank ID

Tank Detail

Site and Owner

Site Info	County & Municipality	Owner
Facility ID: 144294 WHITES GROCERY STORE	44 - OUTAGAMIE	ID: 380226
N3671 HWY 76	Village of HORTONVILLE	WHITES GROCERY STORE
HORTONVILLE	Fire Dept ID: 4416 - Hortonville	N3671 HWY 76
Landowner Type: Private		HORTONVILLE WI 54944
Site Anniversary Date:		

Underground Storage Tank - ID: 317267, Wang ID: 441600003, Closed/Removed as of 01/04/1988

Install Date:		**Capacity in Gallons:**	2000	**Contents:**	Unleaded Gasoline
Tank Occupancy:	Retail Fuel Sales	**Marketer:**	Y	**CAS Number:**	
Federally Regulated:	Y	**Spill Protection:**	Required - Not Installed	**Overfill Protection:**	Required - Not Installed
Corrosion Protect Type:		**Date of Lining:**		**Lining Inspected Date:**	
Leak Detection:	Unknown	**Cath Test Date:**		**Cath Expire Date:**	
Leak Test Meth:		**Leak Expire Date:**		**Leak Test Date:**	
Construction Material:	Coated Steel	**Wall Size:**	Single	**Underground Piping:**	Y
Close Order Date:		**Close Order By:**			

Piping - Closed/Removed

Flex Connectors:		**UST mainfolded:**		**Related Tank ID:**	
Type:		**Aboveground Piping:**		**Aboveground Pipe Construction:**	
Construction Material:	Unknown	**Corrosion Protect Type:**		**Leak Detection:**	Unknown
Cath Test Date:		**Cath Expire Date:**		**Leak Test Meth:**	
Leak Test Date:		**Leak Expire Date:**		**Pipe Wall Size:**	Single
Catastrophic Leak Detection:		**Cat Leak Test Date:**		**Piping System Type:**	Unknown

Inspections Click here for login page

Trans ID	Type	Status	Date	Fiscal Yr

**** No inspections for this tank ****

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This document was last revised: February 2010

Wisconsin Department of Commerce

Search Instructions	Search by Site, Owner, or Tank Characteristics	Search by Tank ID

Tank Detail

Site and Owner

Site Info	County & Municipality	Owner
Facility ID: 144293 WHITES GROCERY STORE HWY 76 HORTONVILLE Landowner Type: Private Site Anniversary Date:	44 - OUTAGAMIE Town of ELLINGTON Fire Dept ID: 4416 - Hortonville	ID: 380226 WHITES GROCERY STORE N3671 HWY 76 HORTONVILLE WI 54944

Underground Storage Tank - ID: 317268, Wang ID: 441600004, Closed/Removed as of 04/04/1989

Install Date:		**Capacity in Gallons:**	8000	**Contents:**	Leaded Gasoline
Tank Occupancy:	Retail Fuel Sales	**Marketer:**	Y	**CAS Number:**	
Federally Regulated:	Y	**Spill Protection:**	Required - Not Installed	**Overfill Protection:**	Required - Not Installed
Corrosion Protect Type:		**Date of Lining:**		**Lining Inspected Date:**	
Leak Detection:	Unknown	**Cath Test Date:**		**Cath Expire Date:**	
Leak Test Meth:		**Leak Expire Date:**		**Leak Test Date:**	
Construction Material:	Coated Steel	**Wall Size:**	Single	**Underground Piping:**	Y
Close Order Date:		**Close Order By:**			

Piping - Closed/Removed

Flex Connectors:		**UST mainfolded:**		**Related Tank ID:**	
Type:		**Aboveground Piping:**		**Aboveground Pipe Construction:**	
Construction Material:	Unknown	**Corrosion Protect Type:**		**Leak Detection:**	Unknown
Cath Test Date:		**Cath Expire Date:**		**Leak Test Meth:**	
Leak Test Date:		**Leak Expire Date:**		**Pipe Wall Size:**	Single
Catastrophic Leak Detection:		**Cat Leak Test Date:**		**Piping System Type:**	Unknown

Inspections Click here for login page

Trans ID	Type	Status	Date	Fiscal Yr

**** No inspections for this tank ****

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This document was last revised: February 2010

Wisconsin Department of Commerce

Appendix C
Site Photos

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	STH 76 - Stephensville	06343.02.001

Photo No.	Date
1	8/6/2010

Description
From the southeast quadrant of the intersection of STH 76 and Mason St., looking west towards N3671 STH 76. USTs were encountered adjacent to this property.

Photo No.	Date
2	8/6/2010

Description
From the southwest quadrant of the intersection of STH 76 and Mason St., looking south towards the location of the USTs.

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	STH 76 - Stephensville	06343.02.001

Photo No.	Date
3	8/6/2010

Description
Exposed UST.

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	STH 76 - Stephensville	06343.02.001

Photo No.	Date
4	8/6/2010

Description
Removed USTs. One encountered containing liquid/sludge (front) and one encountered crushed and empty (back).

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	STH 76 - Stephensville	06343.02.001

Photo No.	Date
5	8/6/2010

Description
UST excavation area.

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	STH 76 - Stephensville	06343.02.001

Photo No.	Date
6	8/20/2010

Description
From STH 76, looking north towards the former location of the USTs.

Photo No.	Date
7	8/20/2010

Description
From STH 76, looking north at the remedial excavation area.

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
WisDOT	STH 76 - Stephensville	06343.02.001

Photo No.	Date
8	8/20/2010

Description
From the southwest quadrant of STH 76 and Mason St., looking south at the remedial excavation area.

Photo No.	Date
9	8/20/2010

Description
Test pit excavation.

Appendix D
Hazardous and Non-Hazardous Waste Inventory Records

Walter, Mark

From: Sheskey, Teresa
Sent: Thursday, August 26, 2010 10:24 AM
To: Greg.Holtzen@veoliaes.com
Cc: john.mueller@veoliaes.com; Sharlene.TeBeest@dot.wi.gov; robert.pearson@dot.wi.gov; Kathie.VanPrice@dot.wi.gov; brett.vissers@meadhunt.com; Haak, Dan; Walter, Mark; Fish, Dick
Subject: 6517-07-74 SW Quadrant STH 76/Mason St. Stephensville - Hazardous & Non-Hazardous Waste Inventory Records
Attachments: 6517-07-74_STH 76 Stephensville_Hazardous and Non-Hazardous Waste Records_ 08-26-10.pdf

Greg,

Attached are the Hazardous (for tank sludge) and Non-Hazardous (for water with trace leaded gasoline) Waste Inventory Records for SW Quadrant STH 76/Mason St., Stephensville (WisDOT Project ID 6517-07-74). Lab results are also attached (sample "WATER" is representative of the water in the non-hazardous drums). The drums are located at the Town of Ellington Garage (N3802 Highway 76, Hortonville, WI 54944 – Photos attached).

Please contact Dan Haak (608-662-5274) if you have any questions.

Regards,
Teresa

Teresa Sheskey, Senior Project Assistant | RMT | 744 Heartland Trail Madison WI 53717 | Direct: 608.662.5210 | Fax: 608.831.3334 | CREATING BALANCE

HAZARDOUS WASTE INVENTORY RECORD

Wisconsin Department of Transportation
DT1231 11/2009

DTSD Regions and Offices				
Southeast	Southwest	Northwest	North Central	Northeast
☐ Milwaukee	☐ Madison	☒ Eau Claire	☐ Rhinelander	☐ Green Bay
	☐ LaCrosse	☐ Spooner	☐ WI Rapids	

WisDOT Project ID 6517-07-74
Site Name SW Quadrant STH 76/Mason St.
County Outagamie
Highway and Termini STH 76/Mason St.
Consultant Company RMT, Inc
Consultant Contact Dan Haak
Contact Area Code – Telephone (608) 662-5274
Consultant ID for this Site 06343.01.001
Generation Date 8/6/2010

Detailed Location of Containers - Attach diagram, if necessary.
See attached.

CONTAINER ID#	CONTAINER SIZE AND TYPE	VOLUME gallons lbs.	SOURCE tank well boring	CONTENTS soil water product mix	PROFILE
1 drum	55-gallon drum	55 gallons	tank	tank sludge	RCRA landfill

Attach lab results, if necessary.

Submit one copy of this form:

To each of the following:

- DOT BEES Hazardous Materials Specialist, Room 451, PO Box 7965, Madison, WI 53707-7965
  FAX: 608-264-6667;
  E-mail: sharlene.tebeest@dot.wi.gov
- Regional Environmental Coordinator or Hazmat Coordinator. For coordinator list, see link in Facilities Development Manual procedure 21-35-35.
- HazWaste Contractor. For contact list, see link in Facilities Development Manual procedure 21-35-35.
- Include required analytical results.
- As the final appendix in the report for this site.

NON-HAZARDOUS WASTE INVENTORY RECORD

Wisconsin Department of Transportation
DT1229 11/2009
(For use with DT1208)

DTSD Regions and Offices				
Southeast	Southwest	Northwest	North Central	Northeast
☐ Milwaukee	☐ Madison	☐ Eau Claire	☐ Rhinelander	☒ Green Bay
	☐ LaCrosse	☐ Spooner	☐ WI Rapids	

WIDOT Project ID 6517-07-74
Site Name SW Quadrant STH 76/Mason St.
County Outagamie
Highway and Termini STH 76/Mason St.
Consultant Company RMT, Inc.
Consultant Contact Dan Haak
Contact Area Code – Telephone 608-662-5274
Consultant ID for this Site 06343.01.001
Generation Date (mm/dd/yyyy) 8/6/2010

Phase of Investigation: ☐ 2 ☐ 2.5 ☐ 3 ☒ 4

CONTAINER ID#	CONTAINER SIZE AND TYPE	VOLUME gallons lbs.	SOURCE tank well boring	CONTENTS soil water other Describe
4 drums	55-gallon drums	55 gallons	tank	Water with trace leaded gasoline

Container Location: Attach map or provide site sketch on reverse.

Submit one copy of this form:

To each of the following:

- DOT BEES Hazardous Materials Specialist, Room 451, PO Box 7965, Madison, WI 53707-7965
  FAX: 608-264-6667
  E-mail: sharlene.tebeest@dot.wi.gov.
- Regional Environmental Coordinator or Hazmat Coordinator. For coordinator list, see link in Facilities Development Manual procedure 21-35-35.
- HazWaste Contractor. For contact list, see link in Facilities Development Manual procedure 21-35-35. Include required analytical results.
- As the final appendix in the report for this site.

Appendix E
Tank Closure Checklists

Complete One Form for Each System Service Event

The information you provide may be used for secondary purposes [Privacy Law, s.15.04 (1) (m), Wis. Stats.]

TANK SYSTEM SERVICE AND CLOSURE ASSESSMENT REPORT

CHECK ONE:

☒ **UNDERGROUND**

☐ **ABOVEGROUND**

FOR PORTIONS OF THE FORM THAT DO NOT APPLY, CHECK THE 'N/A' BOX

RETURN COMPLETED CHECKLIST TO:

Wisconsin Department of Commerce
ERS Division
Bureau of Petroleum Products and Tanks
P.O. Box 7837
Madison, WI 53707-7837

Part A – To be completed by contractor performing repair or closure

A. TYPE OF SERVICE ☒ CLOSURE ☐ REPAIR/UPGRADE ☐ CHANGE-IN-SERVICE

Indicate portion of system being serviced if a repair, upgrade or change-in-service is being performed

☐ Remote fill ☐ Tank ☐ Piping ☐ Transition/containment sump ☐ Spill bucket ☐ Dispenser

B. IDENTIFICATION (Please Print)

1. Facility Name	2. Owner Name
Facility Street Address (not P.O. Box)	3. Contact Name / Job Title
Municipality	Mailing Address
☐ City ☒ Village ☒ Town of:	Post Office / State / Zip Code
Zip Code / County	County / Telephone No. (include area code)
4. Primary Service Contractor Section A above	Service Contractor Street Address
Service Contractor Telephone No. (include area code)	Service Contractor City, State, Zip Code

C. TANK SYSTEM DETAIL (Complete for all service activities)

a	b	c	d	e	f	g		h	
Tank ID #	Type of Closure[1]	Tank Material of Construction	Piping Material of Construction	Tank Capacity (gallons)	Contents[2]	Release - System Integrity Compromised (e.g. holes, cracks, loose connection, etc)?		If "Yes" to "g", Then Specify Source & Cause of Release[5]	
								Source of Release[3]	Cause of Release[4]
	P	Steel	Steel	400	LG	☒ Y	☐ N	T	C
	P	Steel	Steel	350	LG	☒ Y	☐ N	T	C
						☐ Y	☐ N		
						☐ Y	☐ N		
						☐ Y	☐ N		
						☐ Y	☐ N		

1. Indicate type of closure: P = Permanent, TOS = Temporarily Out-of-Service, CIP = Closure In-Place

2. Indicate type of product: DL = Diesel, LG = Leaded Gasoline, UG = Unleaded Gasoline, FO = Fuel Oil, GH = Gasohol, AF = Aviation Fuel, K = Kerosene, PX = Premix, WO = Waste/Used Motor Oil, FCHZW = Flammable/Combustible Hazardous Waste, OC = Other Chemical (indicate the chemical name(s):

CAS number(s):

3. Source of release: T = tank, P = piping, D = dispenser, STP = submersible turbine pump, DP = delivery problem, O = other

4. Cause of release: S = spill, O = overfill, POMD = physical or mechanical damage, C = corrosion, IP = installation problem, O = other

5. Has release been reported to the Department of Natural Resources? ☐ Yes ☐ No ☐ Release not evident at this time

D. CLOSURES (Check applicable box at right in response to all statements in section D)

Written notification was provided to the local agent 15 days in advance of closure date. ☒ Y ☐ N

All local permits were obtained before beginning closure. ☒ Y ☐ N ☐ NA

☒ UST Form ERS-7437 or ☐ AST Form ERS-8731 filed by owner with the Dept. of Commerce indicating closure. ☒ Y ☐ N ☐ NA

NOTE: TANK INVENTORY FORM ERS-7437 or ERS-8731 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH CLOSURE or CHANGE-IN-SERVICE CHECKLIST

D.1 ☐ TEMPORARILY OUT-OF-SERVICE 1. Product removed:	Remover Verified	Inspector Verified	NA
a. Product lines drained into tank (or other container) and liquid removed, and	☐ Y ☐ N	☐ Y ☐ N	☐
b. All product removed to bottom of suction line, OR	☐ Y ☐ N	☐ Y ☐ N	☐
c. All product removed to within 1" of bottom.	☐ Y ☐ N	☐ Y ☐ N	☐
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐ Y ☐ N	☐ Y ☐ N	☐
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐ Y ☐ N	☐ Y ☐ N	☐

4. Dispensers/pumps left in place but locked and power disconnected.	☐Y ☐N	☐Y ☐N	☐
5. Vent lines left open.	☐Y ☐N	☐Y ☐N	☐
6. Inventory form filed indicating temporarily out-of-service (TOS) closure.	☐Y ☐N	☐Y ☐N	☐

D.2. ☑ CLOSURE BY REMOVAL OR IN-PLACE

1. General Requirements

a. Product from piping drained into tank (or other container).	☑Y ☐N	☐Y ☐N	☐
b. Piping disconnected from tank and removed.	☑Y ☐N	☐Y ☐N	☐
c. All liquid and residue removed from tank using explosion-proof pumps or hand pumps.	☑Y ☐N	☐Y ☐N	☐
d. All pump motors and suction hoses bonded to tank or otherwise grounded.	☑Y ☐N	☐Y ☐N	☐
e. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☑Y ☐N	☐Y ☐N	☐
f. Vent lines left connected until tanks purged.	☑Y ☐N	☐Y ☐N	☑
g. Tank openings temporarily plugged so vapors exit through vent.	☑Y ☐N	☐Y ☐N	☐
h. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section E.	☑Y ☐N	☐Y ☐N	☐

2. Specific Closure-by-Removal Requirements

a. Tank removed from excavation after **PURGING/INERTING**; placed on level ground and blocked to prevent movement.	☑Y ☐N	☐Y ☐N	☐
b. Tank cleaned before being removed from site.	☑Y ☐N	☐Y ☐N	☐
c. ~~Tank labeled in 2" high letters after removal but before being moved from site.~~	☑Y ☐N	☐Y ☐N	☐
NOTE: **COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.**			
d. Tank vent hole (1/8" in uppermost part of tank) installed prior to moving the tank from site.	☑Y ☐N	☐Y ☐N	☐
e. Site security is provided while the excavation is open.	☑Y ☐N	☐Y ☐N	☐

3. Specific Closure-In-Place Requirements

NOTE: **CLOSURES IN-PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF COMMERCE OR LOCAL AGENT.**

a. Tank properly cleaned to remove all sludge and residue.	☐Y ☐N	☐Y ☐N	☐
b. Solid inert material (sand, cyclone boiler slag, or pea gravel recommended) introduced and tank filled.	☐Y ☐N	☐Y ☐N	☐
c. Vent line disconnected or removed.	☐Y ☐N	☐Y ☐N	☐
d. Inventory form filed by owner with the Department of Commerce indicating closure in-place.	☐Y ☐N	☐Y ☐N	☐

E. ~~REPAIR, UPGRADE OR CHANGE-IN-SERVICE~~

Written notification was provided to the local agent 15 days in advance of service date.	☐ Y	☐ N	☐ NA
All local permits were obtained before beginning service.	☐ Y	☐ N	☐ NA
Form ERS-7437 or ☐ ERS-8731 filed by owner with the Department of Commerce indicating change-in-service.	☐ Y	☐ N	☐ NA

F. METHOD OF VAPOR FREEING OF TANK

☐ Displacement of vapors by eductor or diffused air blower.
Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground.
Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐ Inert gas using dry ice or liquid carbon dioxide.

☐ Inert gas using CO_2 or N_2 NOTE: **INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. LEL METERS MAY NOT FUNCTION ACCURATELY. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT.**
Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent.
Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☑ ~~Readings of 10% or less of the lower flammable range (LEL) or 0% oxygen obtained before removing tank from ground.~~

☑ Tank atmosphere monitored for flammable or combustible vapor levels prior to and during cleaning and cutting.

☑ Calibrate combustible gas indicator and/or oxygen meter prior to use. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank.

G. REMOVER/CLEANER INFORMATION

Remover/Cleaner Name (print)	Remover/Cleaner Signature	Certification No.	Date Signed
[illegible]	[illegible]	[illegible]	[illegible] 6 10

I attest that the procedures and information which I have provided as the tank closure contractor are correct and comply with Comm 10.

Company expected to perform soil contamination assessment ____________

H. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Cert #	LPO Agency #:
[illegible]	[illegible]	[illegible]	[illegible]

FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed
	[illegible]	

Part B – To be completed by environmental professional

Submit original Part B to the WDNR along with a copy of Part A

I. TANK-SYSTEM SITE ASSESSMENT (TSSA)

Site Name: SWQ Mason and STH 76, 6517-07-74

Address: adjacent to N3671 STH 76, Stephensville WI 54944

Note: Site name and address must match with Part A Section 1.

To determine if a TSSA is required, see Comm 10 and section II part B of *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

If a TSSA is required, then follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

1. Site Information

a. Has there been a previously documented release at this site? ☐ Y ☒ N

If yes, provide the Commerce # _____, or DNR BRRT's # _____

b. Number of active tanks[1] at facility prior to completion of current services USTs 0 ASTs 0

(NOTE 1: Do not include previously closed systems or system components.)

c. Excavation/trench dimensions (in feet). (Photos must be provided.)

EXCAVATION/TRENCH #	LENGTH	WIDTH	DEPTH
1	20	6	8

2. Visual Excavation/Trench Inspection (Photos must be provided for "Yes" responses, except item b.)

Do any of the following conditions exist in or about the excavation(s)?

a. Stained soils: ☒ Y ☐ N b. Petroleum odor: ☒ Y ☐ N c. Water in excavation/trench: ☐ Y ☒ N

d. Free product in the excavation/trench: ☐ Y ☒ N e. Sheen or free product on water: ☐ Y ☒ N

3. Geology/Hydrogeology

a. Depth to groundwater >10 feet b. Indicate type of geology[2] SLT

(Note 2: Use these symbols individually or in combination as appropriate: C = Clay, SLT = Silt, S = Sand, Gr = Gravel)

4. Receptors

a. Water supply well(s) within 250 feet of the facility? ☐ Y ☒ N If yes, specify _____

b. Surface water(s) within 1000 feet of the facility? ☒ Y ☐ N If yes, specify Bear Creek

5. Sampling

a. Follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

b. Complete Tables 1 and 2 as appropriate. (Attach chain-of-custody and laboratory analytical reports.)

c. Attach a detailed map of site features and sample locations.

J. NOTE RELEVANT OBSERVATIONS, SPECIFIC PROBLEMS OR CONCERNS BELOW

TABLE 1 SOIL FIELD SCREENING & GRO/DRO LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	Sample Location & Soil/Geologic Description	Sample Collection Method				Depth Below Tank/Piping (feet)	Field Screening Result (ppm)	GRO (mg/kg)	DRO (mg/kg)
		Grab	Shelby Tube	Direct Push	Split Spoon				
SWN	sidewall SLT	☑	☐	☐	☐	—	3	<1.0	4.8
BS	base SLT	☑	☐	☐	☐	7	7	<1.0	<2.9
SWS	sidewall SLT	☑	☐	☐	☐	—	29	<1.2	<3.1
BN	base SLT	☑	☐	☐	☐	7	472	330	1,890
SWE	sidewall SLT	☑	☐	☐	☐	—	279	363	4,210
SWN	sidewall SLT	☑	☐	☐	☐	—	119	344	2,890
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				

TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	BENZENE	TOLUENE	ETHYLBENZENE	MTBE	TRIMETHYL - BENZENES (TOTAL)	XYLENES (TOTAL)	NAPHTHALENE
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SWN	<25.0	<25.0	<25.0	<25.0	73.3	<75.0	48.3
BS	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<25.0
SWS	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<25.0
BN	<500	32,200	27,100	<500	109,000	155,000	12,000
SWE	<1,000	4,790	20,600	<1,000	254,800	93,380	19,400
SWN	<625	11,850	17,700	<625	116,700	130,000	19,500

K. TANK-SYSTEM SITE ASSESSMENT INFORMATION

☐ As a tank-system site assessor certified under Wis. Admin. Code section Comm 5.83, it is my opinion that there is no indication of a release of a regulated substance to the environment.

☑ Sampling at the site indicates there has been a release to the environment. Pursuant to Wis. Admin. Code section Comm 10.585 (2) (a) and Wis. Stats. section 292.11 (2) (a), the owner or operator or contractor performing work under chapter Comm 10 shall immediately report any release of a regulated substance to the Wisconsin Department of Natural Resources. Failure to do so may result in forfeitures of a minimum of $10 and a maximum of $5000 for each violation under Wis. Stats. section 101.09 (5). Each day of continued violation and each tank are treated as separate offenses.

Dan Haak	Dan Haak	6833960
Tank-System Site Assessor Name (print)	Tank-System Site Assessor Signature	Certification Number #
608 662-5274	8/6/10	RMT
Tank-System Site Assessor Telephone Number	Date Signed	Company Name

Appendix F
Tank Inventory Forms

TDID#:
Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Petroleum Products and Tanks
P.O. Box 7837
Madison, WI 53707-7837

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☐ Yes ☑ No If yes, are you correcting/updating information only? ☐ Yes ☐ No

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)].

This registration applies to a tank status that is (check one):
☐ In Use ☑ Closed - Tank Removed ☐ Ownership Change (Indicate new owner name in block 2)
☐ Newly Installed ☐ Closed - Filled with Inert Materials
☐ Abandoned with Product ☐ Abandon with Water
☐ Abandoned without Product (empty) ☐ Temporarily Out of Service - Provide Date: _____

Fire Department providing fire coverage where tank is located:
☐ City ☐ Village ☑ Town of: 4427 Ellington

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Street Address		Site Telephone Number
SWQ Mason & STH 76, 6517-07-74	adjacent to N3671 STH 76		( )
☐ City ☐ Village ☑ Town of: Ellington	State: WISCONSIN	Zip Code: 54944	County: Outagamie
2. Tank Owner Name	Mailing Address		Telephone Number
WisDOT	4802 Sheboygan Ave. Room 451		(608) 266-1476
◆ City ☐ Village ☐ Town of: Madison	State: WI	Zip Code: 53707-7965	County: Dane
3. Property Owner Name (if different than tank owner)	Property Owner Address if different than #1		

B. Site ID #: | **Facility ID #:** | **Customer ID #:**

C. Tank Capacity (gallons): 350 | Tank Age (age or date installed): Unknown | Vehicle fueling: ◆ Yes ☐ No

D. LAND OWNER TYPE (check one) Refer to back
☐ County ◆ State ☐ Federal Leased ☐ Federal Owned ☐ Tribal Nation ☐ Municipal ☐ Other Government ☐ Private

E. OCCUPANCY TYPE (check one) Refer to back
☐ Retail Fuel Sales ☐ Bulk Storage ☐ Terminal Storage ☐ Mercantile/Commercial ☐ Industrial ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Gov't Fleet ☐ Utility ◆ Other (specify:) highway ROW

F. Tank Construction:
◆ Bare Steel ☐ Coated Steel ☐ Stainless steel ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Fiberglass ☐ Unknown ☐ Other (specify): _____ ☐ Lined (date): _____

Overfill Protection? ☐ Yes ◆ No
Spill Containment? ☐ Yes ◆ No

G. Tank Cathodic Protection: ☐ Sacrificial Anodes ☐ Impressed Current ◆ N/A | **Tank Double Walled?** ☐ Yes ◆ No

H. Primary Tank Leak Detection Method:
☐ Automatic tank gauging ☐ Interstitial monitoring ☐ Inventory control and tightness testing ☐ Groundwater monitoring ☐ Vapor monitoring
☐ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Statistical Inventory Reconciliation (SIR) ◆ Unknown

I. Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Stainless Steel ☐ Fiberglass ☐ Flexible ☐ Copper ◆ Unknown ☐ NA ☐ Other _____

J. Piping Cathodic Protection: ☐ Sacrificial Anodes ☐ Impressed Current ◆ N/A | **Pipe Double Walled?** ☐ Yes ◆ No

K. Primary Piping System Type: ☐ Pressurized piping with ⇓ A. ☐ auto shutoff; B. ☐ alarm, or C. ☐ flow restrictor ◆ Unknown
☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil

L. Piping Leak Detection Method: (used if pressurized or check valve at tank): ☐ SIR ☐ Tightness testing ☐ Electronic line leak monitor
☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☐ Not required ◆ Unknown

M. Vapor Recovery/Stage II ☐ Fiberglass ☐ Flexible ☐ Other: _____ CARB #: _____
☐ Operational - Provide Date (mo./day/yr.): _____ ☐ Non-Operational - Provide Date (mo./day/yr.): _____

N. TANK CONTENTS (Current, or previous product (if tank now empty))
☒ Leaded ☐ Unleaded ☐ Gasohol ☐ E85 ☐ Diesel ☐ Bio-diesel ☐ Aviation ☐ Premix ☐ Fuel Oil ☐ Kerosene ☐ New Oil
☐ Waste/Used Motor Oil ☐ Hazardous Waste* ☐ Unknown ☐ Empty* ☐ Sand/Gravel/Slurry* ☐ Other (specify): _____
☐ Chemical* Name _____ CAS #: _____

* NOT PECFA eligible.

Geo Latitude: | **Geo Longitude:**

O. If Tank Closed, Abandoned or Out of Service
Give date (mo/day/yr): 8/6/10

Has a site assessment been completed? (see reverse side for details)
◆ Yes ☐ No

Tank Owner Name (please print):
Wis DOT

Tank Owner Signature (Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.)
[signature] o.b.o. Wis DOT

Date 8/10/10

ERS-7437 (R 12/09)

Note: Refer to comments on reverse side of form.

TDID#:
Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Petroleum Products and Tanks
P.O. Box 7837
Madison, WI 53707-7837

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☐ Yes ☑ No If yes, are you correcting/updating information only? ☐ Yes ☐ No

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)].

This registration applies to a tank status that is (check one):
☐ In Use ☑ Closed - Tank Removed ☐ Ownership Change (Indicate new owner name in block 2)
☐ Newly Installed ☐ Closed - Filled with Inert Materials
☐ Abandoned with Product ☐ Abandon with Water
☐ Abandoned without Product (empty) ☐ Temporarily Out of Service - Provide Date: _____

Fire Department providing fire coverage where tank is located.
☐ City ☐ Village ☑ Town of: 4427 Ellington

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Street Address		Site Telephone Number
SWQ Mason & STH 76, 6517-07-74	adjacent to N3671 STH 76		( )
☐ City ☐ Village ☑ Town of: Ellington	State: WISCONSIN	Zip Code: 54944	County: Outagamie
2. Tank Owner Name	Mailing Address		Telephone Number
WisDOT	4802 Sheboygan Ave. Room 451		(608) 266-1476
◆ City ☐ Village ☐ Town of: Madison	State: WI	Zip Code: 53707-7965	County: Dane
3. Property Owner Name (if different than tank owner)	Property Owner Address if different than #1		

B. Site ID #: | **Facility ID #:** | **Customer ID #:**

C. Tank Capacity (gallons): 400 | Tank Age (age or date installed): Unknown | Vehicle fueling: ◆ Yes ☐ No

D. LAND OWNER TYPE (check one) Refer to back
☐ County ◆ State ☐ Federal Leased ☐ Federal Owned ☐ Tribal Nation ☐ Municipal ☐ Other Government ☐ Private

E. OCCUPANCY TYPE (check one) Refer to back
☐ Retail Fuel Sales ☐ Bulk Storage ☐ Terminal Storage ☐ Mercantile/Commercial ☐ Industrial ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Gov't Fleet ☐ Utility ◆ Other (specify:) highway ROW

F. Tank Construction:
◆ Bare Steel ☐ Coated Steel ☐ Stainless steel ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Fiberglass ☐ Unknown ☐ Other (specify): _____ ☐ Lined (date): _____

Overfill Protection? ☐ Yes ◆ No
Spill Containment? ☐ Yes ◆ No

G. Tank Cathodic Protection: ☐ Sacrificial Anodes ☐ Impressed Current ◆ N/A | **Tank Double Walled?** ☐ Yes ◆ No

H. Primary Tank Leak Detection Method:
☐ Automatic tank gauging ☐ Interstitial monitoring ☐ Inventory control and tightness testing ☐ Groundwater monitoring ☐ Vapor monitoring
☐ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Statistical Inventory Reconciliation (SIR) ◆ Unknown

I. Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Stainless Steel ☐ Fiberglass ☐ Flexible ☐ Copper ◆ Unknown ☐ NA ☐ Other _____

J. Piping Cathodic Protection: ☐ Sacrificial Anodes ☐ Impressed Current ◆ N/A | **Pipe Double Walled?** ☐ Yes ◆ No

K. Primary Piping System Type: ☐ Pressurized piping with ⇓ A. ☐ auto shutoff; B. ☐ alarm, or C. ☐ flow restrictor ◆ Unknown
☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil

L. Piping Leak Detection Method: (used if pressurized or check valve at tank): ☐ SIR ☐ Tightness testing ☐ Electronic line leak monitor
☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☐ Not required ◆ Unknown

M. Vapor Recovery/Stage II ☐ Fiberglass ☐ Flexible ☐ Other: _____ CARB #: _____
☐ Operational - Provide Date (mo./day/yr.): _____ ☐ Non-Operational - Provide Date (mo./day/yr.): _____

N. TANK CONTENTS (Current, or previous product (if tank now empty))
☒ Leaded ☐ Unleaded ☐ Gasohol ☐ E85 ☐ Diesel ☐ Bio-diesel ☐ Aviation ☐ Premix ☐ Fuel Oil ☐ Kerosene ☐ New Oil
☐ Waste/Used Motor Oil ☐ Hazardous Waste* ☐ Unknown ☐ Empty* ☐ Sand/Gravel/Slurry* ☐ Other (specify): _____
☐ Chemical* Name _____ CAS #: _____

* NOT PECFA eligible.

Geo Latitude: | **Geo Longitude:**

O. If Tank Closed, Abandoned or Out of Service
Give date (mo/day/yr): 8/6/10

Has a site assessment been completed? (see reverse side for details)
◆ Yes ☐ No

Tank Owner Name (please print):
Wis DOT

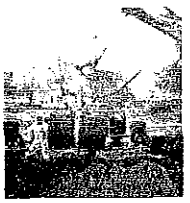
Tank Owner Signature (Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.)
o.b.o. Wis DOT

Date: 8/10/10

ERS-7437 (R 12/09)

Note: Refer to comments on reverse side of form.

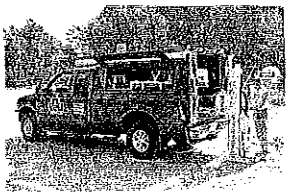
SGS EnvironmentalContracting, LLC


UST / AST Removal

N2570 Daytona Drive
MERRILL, WI 54452
1-800-261-2803
715-539-2803
Fax 715-539-2661
Jay A. Schlueter
CELL (715) 218-1001
jschlueter@hughes.net


REMEDIATION SYSTEM CONSTRUCTION


CONTAMINATED SOIL EXCAVATIONS


GEOPROBE SOIL BORING

CERTIFICATE OF UNDERGROUND STORAGE TANK DISPOSAL

On August 6th, 2010 SGS Environmental Contracting LLC, performed the removal of (2) Underground Storage Tanks, (1 – 350 gallon Leaded Gas UST and 1 – 400 gallon Leaded Gas UST) for:

WDOT: SWQ Mason & STH 76
Adjacent to N3671 STH 76
Ellington, WI 54944

Sludge generated at the job site was barreled and left for others to handle.

SGS Environmental Contracting LLC disposed of the tanks at:

Schulz's Recycling Inc
W6059 Heldt St.
Merrill WI 54452

Jay A. Schlueter Project Manager

Appendix G
Notification for Hazardous Substance Discharge Form 4400-225

State of Wisconsin
Department of Natural Resources
http://dnr.wi.gov

Notification For Hazardous Substance Discharge (Non-Emergency Only)

Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003

Notice: Hazardous substance discharges must be reported immediately according to s. 292.11 Wis. Stats. Non-emergency hazardous substance discharges may be reported by telefaxing or e-mailing a completed report to the Department, or calling or visiting a Department office in person. If you choose to notify the Department by telefax or by email, you should use this form to be sure that all necessary information is included. However, use of this form is not mandatory. Under s. 292.99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than $10 nor more than $5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 – 19.39, Wis. Stats.).

Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY.** NOTIFY appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from **(check one)**:

- [X] Underground Petroleum Storage Tank System
- [ ] Aboveground Petroleum Storage Tank System
- [ ] Dry Cleaner Facility (DERP eligibility based on: [ ] Facility owner/operator [ ] Property owner of licensed facility)
- [ ] Other - Describe:

ATTN DNR: **R & R Program Associate** Date DNR Notified: Aug 9, 2010

1. Discharge Reported By

Name	Firm	(Area Code) Phone Number
Dan Haak	RMT, Inc.	(608) 662-5274

Mailing Address	E-mail Address
744 Heartland Trail Madison, WI 53717	dan.haak@rmtinc.com

2. Site Information

Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence/vacant property.
SW Quadrant STH 76 and Mason Street

Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60.

adjacent to N3671 STH 76

Municipality: (City, Village, Township) Specify municipality in which the site is located, not mailing address/city.
Stephensville, WI

County:	Legal Description:	WTM:
Outagamie	___ 1/4 ___ 1/4 Sec ___ Tn ___ Range ___ ○E ○W	X 632770 Y 434279

3. Responsible Party (RP) and/or RP Representative

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

WDNR to determine

[ ] Reported in compliance with s. 292.11(2), Wis. Stats., by a local government exempt from liability under s. 292.11(9)(e), Wis. Stats. For more information see http://dnr.wi.gov/org/aw/rr/liability/muni_1.html.

Contact Person Name (if different) Bob Pearson	Phone Number	E-mail Address	
	(608) 266-7980	robert.pearson@dot.wi.gov	
Mailing Address	**City**	**State**	**ZIP Code**
4802 Sheboygan Ave., Room 451	Madison	WI	53707-7965

(continued)

State of Wisconsin
Department of Natural Resources
http://dnr.wi.gov

Notification For Hazardous Substance Discharge (Non-Emergency Only)

Form 4400-225 (03-10)

4. Hazardous Substance Impact Information

Identify hazardous substance discharged (check all that apply):

- ☐ VOC's
- ☐ PAH's
- ☐ Metals (specify): _____
- ☐ Arsenic
- ☐ Chromium
- ☐ Cyanide
- ☐ Lead
- ☐ PCB's
- ☐ Diesel
- ☐ Fuel Oil
- ☒ Gasoline
- ☐ Hydraulic Oil
- ☐ Jet Fuel
- ☐ Mineral Oil
- ☐ Waste Oil
- ☐ Petroleum-Unknown Type
- ☐ PERC (Dry Cleaners)
- ☐ RCRA Hazardous Waste
- ☐ Leachate
- ☐ Fertilizer
- ☐ Pesticide/Herbicide/Insecticide(s)
- ☐ Other (specify): _____
- ☐ Unknown

5. Impacts to the Environment Information

Enter "K" for known/confirmed or "P" for potential for all that apply.

- ___ Air Contamination
- ___ Co-Contamination
- ___ Concrete/Asphalt
- ___ Contained/Recovered
- ___ Contamination Within 1 Meter of Bedrock
- ___ Contaminated Private Well
- ___ Contaminated Public Well
- ___ Contamination in Fractured Bedrock
- ___ Contamination in Right of Way
- ___ Direct Contact
- ___ Expanding Plume
- ___ Fire Explosion Threat
- ___ Free Product
- P Groundwater Contamination
- ___ Off-Site Contamination
- ___ Other (specify): _____
- ___ Sanitary Sewer Contamination
- K Soil Contamination
- ___ Storm Sewer Contamination
- ___ Surface Water Contamination
- ___ Within 100 ft of Private Well
- ___ Within 1000 ft of Public Well

Contamination was discovered as a result of:

- ☒ Tank closure assessment — Date: Aug 6, 2010
- ☐ Site assessment — Date:
- ☐ Other - Describe — Date:

6. Federal Energy Act Requirements (Section 9002(d) of the Solid Waste Disposal Act (SWDA))

For all UST's please provide the following information:

Quantity	Source
2	Tank
1	Piping
___	Dispenser
___	Submersible Turbine Pump
___	Delivery Problem
___	Other (specify): _____

Quantity	Cause
___	Spill
___	Overfill
___	Corrosion
___	Physical or Mechanical Damage
___	Installation Problem
___	Other (does not fit any of above)
___	Unknown

Lab results: ☒ Lab results will be faxed upon receipt ☐ Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

Tanks cleaned and removed and approximately 20 tons of petroleum-contaminated soil excavated.

Contact information to report non-emergency releases in DNR's five regions are as follows:

Northeast Region (FAX: 920-662-5197); Attention -- R&R Program Associate: DNRRRNER@wisconsin.gov
Brown, Calumet, Door, Fond du Lac **(except City of Waupun - see South Central Region)**, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Sheboygan, Waupaca, Waushara, Winnebago counties

Northern Region (FAX: 715-623-6773); Attention -- R&R Program Associate: DNRRRNOR@wisconsin.gov
Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn counties

South Central Region (FAX: 608-275-3338); Attention -- R&R Program Associate: DNRRRSCR@wisconsin.gov
Columbia, Dane, Dodge, Fond du Lac **(City of Waupun only)**, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk, Walworth counties

Southeast Region (FAX: 414-263-8550); Attention -- R&R Program Associate: DNRRRSER@wisconsin.gov
Kenosha, Milwaukee, Ozaukee, Racine, Washington, Waukesha counties

West Central Region (FAX: 715-839-1605); Attention -- R&R Program Associate: DNRRRWCR@wisconsin.gov
Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties

Appendix H
Laboratory Analytical Reports

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

August 18, 2010

DAN HAAK
RMT MADISON
744 HEARTLAND TRAIL
Madison, WI 537171934

RE: Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Dear DAN HAAK:
Enclosed are the analytical results for sample(s) received by the laboratory on August 10, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tod Noltemeyer

Tod Noltemeyer

tod.noltemeyer@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4035498001	**WATER**	Water	08/06/10 09:30	08/10/10 09:00
4035498002	**WC**	Solid	08/06/10 10:30	08/10/10 09:00
4035498003	**SWW**	Solid	08/06/10 11:30	08/10/10 09:00
4035498004	**BS**	Solid	08/06/10 11:40	08/10/10 09:00
4035498005	**SWS**	Solid	08/06/10 11:50	08/10/10 09:00
4035498006	**BN**	Solid	08/06/10 12:00	08/10/10 09:00
4035498007	**SWE**	Solid	08/06/10 12:10	08/10/10 09:00
4035498008	**SWN**	Solid	08/06/10 12:20	08/10/10 09:00

Pace Analytical Services, Inc.
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Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4035498001	**WATER**	EPA 8082	BDS	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7470	LMS	1	PASI-G
		EPA 8260	SMT	64	PASI-G
4035498002	**WC**	EPA 8082	KL1	11	PASI-M
		WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	PMS	13	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8270	RJN	16	PASI-G
		EPA 8260	SMT	13	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4035498003	**SWW**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	PMS	13	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4035498004	**BS**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	PMS	13	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4035498005	**SWS**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	PMS	13	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4035498006	**BN**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	PMS	13	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4035498007	**SWE**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	PMS	13	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4035498008	**SWN**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	PMS	13	PASI-G
		ASTM D2974-87	AME	1	PASI-G

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Method: **EPA 8082**
Description: 8082 GCS PCB
Client: RMT - MADISON
Date: August 18, 2010

General Information:
1 sample was analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/8260

S0: Surrogate recovery outside laboratory control limits.

- WATER (Lab ID: 4035498001)
  - Tetrachloro-m-xylene (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: GCSV/4698

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

General Information:
1 sample was analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Method: **EPA 8082**
Description: 8082 GCS PCB
Client: RMT - MADISON
Date: August 18, 2010

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/8260

S0: Surrogate recovery outside laboratory control limits.

- WATER (Lab ID: 4035498001)
  - Tetrachloro-m-xylene (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: GCSV/4698

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, Inc.
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(920)469-2436

PROJECT NARRATIVE

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: RMT - MADISON
Date: August 18, 2010

General Information:
7 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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Green Bay, WI 54302
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PROJECT NARRATIVE

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: RMT - MADISON
Date: August 18, 2010

General Information:
7 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with TPH GRO/PVOC WI ext. with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Method: **EPA 6010**
Description: 6010 MET ICP, TCLP
Client: RMT - MADISON
Date: August 18, 2010

General Information:
1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Method: **EPA 6010**
Description: 6010 MET ICP
Client: RMT - MADISON
Date: August 18, 2010

General Information:
1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Method: **EPA 7470**
Description: 7470 Mercury
Client: RMT - MADISON
Date: August 18, 2010

General Information:
1 sample was analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Method: **EPA 8270**
Description: 8270 MSSV TCLP Sep Funnel
Client: RMT - MADISON
Date: August 18, 2010

General Information:
1 sample was analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/8271

S0: Surrogate recovery outside laboratory control limits.

- LCS (Lab ID: 340357)
  - 2,4,6-Tribromophenol (S)
- MS (Lab ID: 340358)
  - 2,4,6-Tribromophenol (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Method: **EPA 8260**
Description: 8260 MSV TCLP
Client: RMT - MADISON
Date: August 18, 2010

General Information:
1 sample was analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Method: **EPA 8260**
Description: 8260 MSV
Client: RMT - MADISON
Date: August 18, 2010

General Information:
1 sample was analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Sample: WATER **Lab ID: 4035498001** Collected: 08/06/10 09:30 Received: 08/10/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	**<0.30**	ug/L	1.0	0.30	1	08/12/10 07:30	08/13/10 16:25	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.30**	ug/L	1.0	0.30	1	08/12/10 07:30	08/13/10 16:25	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.30**	ug/L	1.0	0.30	1	08/12/10 07:30	08/13/10 16:25	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.30**	ug/L	1.0	0.30	1	08/12/10 07:30	08/13/10 16:25	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.30**	ug/L	1.0	0.30	1	08/12/10 07:30	08/13/10 16:25	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.30**	ug/L	1.0	0.30	1	08/12/10 07:30	08/13/10 16:25	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.30**	ug/L	1.0	0.30	1	08/12/10 07:30	08/13/10 16:25	11096-82-5	
PCB, Total	**<0.30**	ug/L	1.0	0.30	1	08/12/10 07:30	08/13/10 16:25	1336-36-3	
Tetrachloro-m-xylene (S)	42	%	51-130		1	08/12/10 07:30	08/13/10 16:25	877-09-8	S0
Decachlorobiphenyl (S)	52	%	18-150		1	08/12/10 07:30	08/13/10 16:25	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**2.2J**	ug/L	20.0	0.55	1	08/12/10 06:35	08/12/10 13:35	7440-38-2	
Barium	**105**	ug/L	5.0	0.27	1	08/12/10 06:35	08/12/10 13:35	7440-39-3	
Cadmium	**46.2**	ug/L	5.0	0.26	1	08/12/10 06:35	08/12/10 13:35	7440-43-9	
Chromium	**14.1**	ug/L	5.0	0.44	1	08/12/10 06:35	08/12/10 13:35	7440-47-3	
Lead	**199**	ug/L	7.5	1.4	1	08/12/10 06:35	08/12/10 13:35	7439-92-1	
Selenium	**<2.1**	ug/L	20.0	2.1	1	08/12/10 06:35	08/12/10 13:35	7782-49-2	
Silver	**<0.46**	ug/L	10.0	0.46	1	08/12/10 06:35	08/12/10 13:35	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	08/12/10 09:18	08/12/10 14:19	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**71.8**	ug/L	5.0	2.0	5		08/12/10 09:27	71-43-2	
Bromobenzene	**<4.1**	ug/L	5.0	4.1	5		08/12/10 09:27	108-86-1	
Bromochloromethane	**<4.8**	ug/L	5.0	4.8	5		08/12/10 09:27	74-97-5	
Bromodichloromethane	**<2.8**	ug/L	5.0	2.8	5		08/12/10 09:27	75-27-4	
Bromoform	**<4.7**	ug/L	5.0	4.7	5		08/12/10 09:27	75-25-2	
Bromomethane	**<4.6**	ug/L	5.0	4.6	5		08/12/10 09:27	74-83-9	
n-Butylbenzene	**<4.6**	ug/L	5.0	4.6	5		08/12/10 09:27	104-51-8	
sec-Butylbenzene	**5.7J**	ug/L	25.0	4.4	5		08/12/10 09:27	135-98-8	
tert-Butylbenzene	**<4.8**	ug/L	5.0	4.8	5		08/12/10 09:27	98-06-6	
Carbon tetrachloride	**<2.4**	ug/L	5.0	2.4	5		08/12/10 09:27	56-23-5	
Chlorobenzene	**<2.0**	ug/L	5.0	2.0	5		08/12/10 09:27	108-90-7	
Chloroethane	**<4.8**	ug/L	5.0	4.8	5		08/12/10 09:27	75-00-3	
Chloroform	**<6.5**	ug/L	25.0	6.5	5		08/12/10 09:27	67-66-3	
Chloromethane	**17.2**	ug/L	5.0	1.2	5		08/12/10 09:27	74-87-3	
2-Chlorotoluene	**<4.2**	ug/L	5.0	4.2	5		08/12/10 09:27	95-49-8	
4-Chlorotoluene	**<3.7**	ug/L	5.0	3.7	5		08/12/10 09:27	106-43-4	
1,2-Dibromo-3-chloropropane	**<8.4**	ug/L	25.0	8.4	5		08/12/10 09:27	96-12-8	
Dibromochloromethane	**<4.0**	ug/L	5.0	4.0	5		08/12/10 09:27	124-48-1	
1,2-Dibromoethane (EDB)	**<2.8**	ug/L	5.0	2.8	5		08/12/10 09:27	106-93-4	
Dibromomethane	**<3.0**	ug/L	5.0	3.0	5		08/12/10 09:27	74-95-3	
1,2-Dichlorobenzene	**<4.2**	ug/L	5.0	4.2	5		08/12/10 09:27	95-50-1	
1,3-Dichlorobenzene	**<4.4**	ug/L	5.0	4.4	5		08/12/10 09:27	541-73-1	

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ANALYTICAL RESULTS

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Sample: WATER **Lab ID: 4035498001** Collected: 08/06/10 09:30 Received: 08/10/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<4.8**	ug/L	5.0	4.8	5		08/12/10 09:27	106-46-7	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	5.0	5		08/12/10 09:27	75-71-8	
1,1-Dichloroethane	**<3.8**	ug/L	5.0	3.8	5		08/12/10 09:27	75-34-3	
1,2-Dichloroethane	**<1.8**	ug/L	5.0	1.8	5		08/12/10 09:27	107-06-2	
1,1-Dichloroethene	**<2.8**	ug/L	5.0	2.8	5		08/12/10 09:27	75-35-4	
cis-1,2-Dichloroethene	**<4.2**	ug/L	5.0	4.2	5		08/12/10 09:27	156-59-2	
trans-1,2-Dichloroethene	**<4.4**	ug/L	5.0	4.4	5		08/12/10 09:27	156-60-5	
1,2-Dichloropropane	**<2.4**	ug/L	5.0	2.4	5		08/12/10 09:27	78-87-5	
1,3-Dichloropropane	**<3.0**	ug/L	5.0	3.0	5		08/12/10 09:27	142-28-9	
2,2-Dichloropropane	**<3.1**	ug/L	5.0	3.1	5		08/12/10 09:27	594-20-7	
1,1-Dichloropropene	**<3.8**	ug/L	5.0	3.8	5		08/12/10 09:27	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	5.0	1.0	5		08/12/10 09:27	10061-01-5	
trans-1,3-Dichloropropene	**<0.95**	ug/L	5.0	0.95	5		08/12/10 09:27	10061-02-6	
Diisopropyl ether	**<3.8**	ug/L	5.0	3.8	5		08/12/10 09:27	108-20-3	
Ethylbenzene	**181**	ug/L	5.0	2.7	5		08/12/10 09:27	100-41-4	
Hexachloro-1,3-butadiene	**<3.4**	ug/L	25.0	3.4	5		08/12/10 09:27	87-68-3	
Isopropylbenzene (Cumene)	**11.9**	ug/L	5.0	3.0	5		08/12/10 09:27	98-82-8	
p-Isopropyltoluene	**6.1**	ug/L	5.0	3.4	5		08/12/10 09:27	99-87-6	
Methylene Chloride	**<2.2**	ug/L	5.0	2.2	5		08/12/10 09:27	75-09-2	
Methyl-tert-butyl ether	**<3.0**	ug/L	5.0	3.0	5		08/12/10 09:27	1634-04-4	
Naphthalene	**104**	ug/L	25.0	4.4	5		08/12/10 09:27	91-20-3	
n-Propylbenzene	**50.6**	ug/L	5.0	4.0	5		08/12/10 09:27	103-65-1	
Styrene	**<4.3**	ug/L	5.0	4.3	5		08/12/10 09:27	100-42-5	
1,1,1,2-Tetrachloroethane	**<4.6**	ug/L	5.0	4.6	5		08/12/10 09:27	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	5.0	1.0	5		08/12/10 09:27	79-34-5	
Tetrachloroethene	**<2.2**	ug/L	5.0	2.2	5		08/12/10 09:27	127-18-4	
Toluene	**733**	ug/L	5.0	3.4	5		08/12/10 09:27	108-88-3	
1,2,3-Trichlorobenzene	**<3.7**	ug/L	5.0	3.7	5		08/12/10 09:27	87-61-6	
1,2,4-Trichlorobenzene	**<4.8**	ug/L	5.0	4.8	5		08/12/10 09:27	120-82-1	
1,1,1-Trichloroethane	**<4.5**	ug/L	5.0	4.5	5		08/12/10 09:27	71-55-6	
1,1,2-Trichloroethane	**<2.1**	ug/L	5.0	2.1	5		08/12/10 09:27	79-00-5	
Trichloroethene	**<2.4**	ug/L	5.0	2.4	5		08/12/10 09:27	79-01-6	
Trichlorofluoromethane	**<4.0**	ug/L	5.0	4.0	5		08/12/10 09:27	75-69-4	
1,2,3-Trichloropropane	**<5.0**	ug/L	5.0	5.0	5		08/12/10 09:27	96-18-4	
1,2,4-Trimethylbenzene	**367**	ug/L	5.0	4.8	5		08/12/10 09:27	95-63-6	
1,3,5-Trimethylbenzene	**87.1**	ug/L	5.0	4.2	5		08/12/10 09:27	108-67-8	
Vinyl chloride	**<0.90**	ug/L	5.0	0.90	5		08/12/10 09:27	75-01-4	
m&p-Xylene	**679**	ug/L	10.0	9.0	5		08/12/10 09:27	179601-23-1	
o-Xylene	**321**	ug/L	5.0	4.2	5		08/12/10 09:27	95-47-6	
4-Bromofluorobenzene (S)	91	%	69-130		5		08/12/10 09:27	460-00-4	
Dibromofluoromethane (S)	90	%	70-134		5		08/12/10 09:27	1868-53-7	
Toluene-d8 (S)	96	%	70-130		5		08/12/10 09:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Sample: WC **Lab ID: 4035498002** Collected: 08/06/10 10:30 Received: 08/10/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082								
PCB-1016 (Aroclor 1016)	**<4.5**	ug/kg	37.3	4.5	1	08/11/10 12:32	08/12/10 20:04	12674-11-2	
PCB-1221 (Aroclor 1221)	**<9.0**	ug/kg	37.3	9.0	1	08/11/10 12:32	08/12/10 20:04	11104-28-2	
PCB-1232 (Aroclor 1232)	**<9.0**	ug/kg	37.3	9.0	1	08/11/10 12:32	08/12/10 20:04	11141-16-5	
PCB-1242 (Aroclor 1242)	**<6.8**	ug/kg	37.3	6.8	1	08/11/10 12:32	08/12/10 20:04	53469-21-9	
PCB-1248 (Aroclor 1248)	**<6.8**	ug/kg	37.3	6.8	1	08/11/10 12:32	08/12/10 20:04	12672-29-6	
PCB-1254 (Aroclor 1254)	**<5.6**	ug/kg	37.3	5.6	1	08/11/10 12:32	08/12/10 20:04	11097-69-1	
PCB-1260 (Aroclor 1260)	**<10.2**	ug/kg	37.3	10.2	1	08/11/10 12:32	08/12/10 20:04	11096-82-5	
PCB-1262 (Aroclor 1262)	**<4.5**	ug/kg	37.3	4.5	1	08/11/10 12:32	08/12/10 20:04	37324-23-5	
PCB-1268 (Aroclor 1268)	**<4.5**	ug/kg	37.3	4.5	1	08/11/10 12:32	08/12/10 20:04	11100-14-4	
Tetrachloro-m-xylene (S)	93	%	55-125		1	08/11/10 12:32	08/12/10 20:04	877-09-8	
Decachlorobiphenyl (S)	93	%	55-125		1	08/11/10 12:32	08/12/10 20:04	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**4.2**	mg/kg	2.0	1.0	1	08/11/10 09:33	08/11/10 10:07		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<50.0**	ug/kg	120	50.0	2	08/11/10 09:15	08/11/10 16:23	71-43-2	W
Ethylbenzene	**861**	ug/kg	136	56.5	2	08/11/10 09:15	08/11/10 16:23	100-41-4	
Gasoline Range Organics	**240**	mg/kg	5.6	5.6	2	08/11/10 09:15	08/11/10 16:23		
Methyl-tert-butyl ether	**<50.0**	ug/kg	120	50.0	2	08/11/10 09:15	08/11/10 16:23	1634-04-4	W
Naphthalene	**1930**	ug/kg	136	56.5	2	08/11/10 09:15	08/11/10 16:23	91-20-3	B
Toluene	**83.1J**	ug/kg	136	56.5	2	08/11/10 09:15	08/11/10 16:23	108-88-3	
Total Trimethylbenzenes	**13500**	ug/kg	271	113	2	08/11/10 09:15	08/11/10 16:23		
1,2,4-Trimethylbenzene	**8540**	ug/kg	136	56.5	2	08/11/10 09:15	08/11/10 16:23	95-63-6	
1,3,5-Trimethylbenzene	**4920**	ug/kg	136	56.5	2	08/11/10 09:15	08/11/10 16:23	108-67-8	
Xylene (Total)	**7500**	ug/kg	407	169	2	08/11/10 09:15	08/11/10 16:23	1330-20-7	
m&p-Xylene	**5750**	ug/kg	271	113	2	08/11/10 09:15	08/11/10 16:23	179601-23-1	
o-Xylene	**1750**	ug/kg	136	56.5	2	08/11/10 09:15	08/11/10 16:23	95-47-6	
a,a,a-Trifluorotoluene (S)	116	%	80-120		2	08/11/10 09:15	08/11/10 16:23	98-08-8	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 08/11/10 00:00								
Lead	**<0.019**	mg/L	0.038	0.019	1	08/12/10 15:40	08/16/10 11:20	7439-92-1	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 08/11/10 00:00								
1,4-Dichlorobenzene	**<4.3**	ug/L	25.0	4.3	1	08/12/10 12:30	08/13/10 12:04	106-46-7	
2,4-Dinitrotoluene	**<4.0**	ug/L	25.0	4.0	1	08/12/10 12:30	08/13/10 12:04	121-14-2	
Hexachloro-1,3-butadiene	**<3.3**	ug/L	50.0	3.3	1	08/12/10 12:30	08/13/10 12:04	87-68-3	
Hexachlorobenzene	**<5.6**	ug/L	25.0	5.6	1	08/12/10 12:30	08/13/10 12:04	118-74-1	
Hexachloroethane	**<2.9**	ug/L	25.0	2.9	1	08/12/10 12:30	08/13/10 12:04	67-72-1	
2-Methylphenol(o-Cresol)	**<4.9**	ug/L	25.0	4.9	1	08/12/10 12:30	08/13/10 12:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<3.8**	ug/L	25.0	3.8	1	08/12/10 12:30	08/13/10 12:04		
Nitrobenzene	**<6.8**	ug/L	25.0	6.8	1	08/12/10 12:30	08/13/10 12:04	98-95-3	

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ANALYTICAL RESULTS

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Sample: WC **Lab ID: 4035498002** Collected: 08/06/10 10:30 Received: 08/10/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 08/11/10 00:00								
Pentachlorophenol	**<5.4**	ug/L	50.0	5.4	1	08/12/10 12:30	08/13/10 12:04	87-86-5	
Pyridine	**<7.2**	ug/L	25.0	7.2	1	08/12/10 12:30	08/13/10 12:04	110-86-1	
2,4,5-Trichlorophenol	**<5.0**	ug/L	25.0	5.0	1	08/12/10 12:30	08/13/10 12:04	95-95-4	
2,4,6-Trichlorophenol	**<5.3**	ug/L	25.0	5.3	1	08/12/10 12:30	08/13/10 12:04	88-06-2	
Nitrobenzene-d5 (S)	90	%	54-131		1	08/12/10 12:30	08/13/10 12:04	4165-60-0	
2-Fluorobiphenyl (S)	91	%	56-130		1	08/12/10 12:30	08/13/10 12:04	321-60-8	
Phenol-d6 (S)	38	%	18-130		1	08/12/10 12:30	08/13/10 12:04	13127-88-3	
2,4,6-Tribromophenol (S)	126	%	44-130		1	08/12/10 12:30	08/13/10 12:04	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260								
Benzene	**<4.1**	ug/L	10.0	4.1	1		08/12/10 13:10	71-43-2	
2-Butanone (MEK)	**<43.0**	ug/L	50.0	43.0	1		08/12/10 13:10	78-93-3	
Carbon tetrachloride	**<4.9**	ug/L	10.0	4.9	1		08/12/10 13:10	56-23-5	
Chlorobenzene	**<4.1**	ug/L	10.0	4.1	1		08/12/10 13:10	108-90-7	
Chloroform	**<3.7**	ug/L	10.0	3.7	1		08/12/10 13:10	67-66-3	
1,2-Dichloroethane	**<3.6**	ug/L	10.0	3.6	1		08/12/10 13:10	107-06-2	
1,1-Dichloroethene	**<5.7**	ug/L	10.0	5.7	1		08/12/10 13:10	75-35-4	
Tetrachloroethene	**<4.5**	ug/L	10.0	4.5	1		08/12/10 13:10	127-18-4	
Trichloroethene	**<4.8**	ug/L	10.0	4.8	1		08/12/10 13:10	79-01-6	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	1		08/12/10 13:10	75-01-4	
Toluene-d8 (S)	101	%	70-130		1		08/12/10 13:10	2037-26-5	
4-Bromofluorobenzene (S)	92	%	69-130		1		08/12/10 13:10	460-00-4	
Dibromofluoromethane (S)	106	%	70-134		1		08/12/10 13:10	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.5**	%	0.10	0.10	1		08/11/10 07:58		

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ANALYTICAL RESULTS

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Sample: SWW **Lab ID: 4035498003** Collected: 08/06/10 11:30 Received: 08/10/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<1.0**	mg/kg	2.1	1.0	1	08/11/10 09:33	08/11/10 10:16		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 11:42	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 11:42	100-41-4	W
Gasoline Range Organics	**4.8**	mg/kg	3.2	3.2	1	08/11/10 09:15	08/11/10 11:42		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 11:42	1634-04-4	W
Naphthalene	**48.3J**	ug/kg	75.9	31.6	1	08/11/10 09:15	08/11/10 11:42	91-20-3	B
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 11:42	108-88-3	W
Total Trimethylbenzenes	**151J**	ug/kg	152	63.2	1	08/11/10 09:15	08/11/10 11:42		
1,2,4-Trimethylbenzene	**68.5J**	ug/kg	75.9	31.6	1	08/11/10 09:15	08/11/10 11:42	95-63-6	
1,3,5-Trimethylbenzene	**82.8**	ug/kg	75.9	31.6	1	08/11/10 09:15	08/11/10 11:42	108-67-8	
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	08/11/10 09:15	08/11/10 11:42	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/11/10 09:15	08/11/10 11:42	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 11:42	95-47-6	W
a,a,a-Trifluorotoluene (S)	106	%	80-120		1	08/11/10 09:15	08/11/10 11:42	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.9**	%	0.10	0.10	1		08/11/10 07:58		

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ANALYTICAL RESULTS

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Sample: BS **Lab ID: 4035498004** Collected: 08/06/10 11:40 Received: 08/10/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<1.0**	mg/kg	2.1	1.0	1	08/11/10 09:33	08/11/10 10:25		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:33	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:33	100-41-4	W
Gasoline Range Organics	**<2.9**	mg/kg	2.9	2.9	1	08/11/10 09:15	08/11/10 12:33		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:33	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:33	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:33	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	120	50.0	1	08/11/10 09:15	08/11/10 12:33		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:33	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:33	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	08/11/10 09:15	08/11/10 12:33	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/11/10 09:15	08/11/10 12:33	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:33	95-47-6	W
a,a,a-Trifluorotoluene (S)	108	%	80-120		1	08/11/10 09:15	08/11/10 12:33	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.7**	%	0.10	0.10	1		08/11/10 07:58		

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ANALYTICAL RESULTS

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Sample: SWS **Lab ID: 4035498005** Collected: 08/06/10 11:50 Received: 08/10/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<1.2**	mg/kg	2.4	1.2	1	08/11/10 09:33	08/11/10 10:34		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:59	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:59	100-41-4	W
Gasoline Range Organics	**<3.1**	mg/kg	3.1	3.1	1	08/11/10 09:15	08/11/10 12:59		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:59	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:59	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:59	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	120	50.0	1	08/11/10 09:15	08/11/10 12:59		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:59	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:59	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	08/11/10 09:15	08/11/10 12:59	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/11/10 09:15	08/11/10 12:59	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/11/10 09:15	08/11/10 12:59	95-47-6	W
a,a,a-Trifluorotoluene (S)	108	%	80-120		1	08/11/10 09:15	08/11/10 12:59	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.1**	%	0.10	0.10	1		08/11/10 07:58		

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ANALYTICAL RESULTS

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Sample: BN **Lab ID: 4035498006** Collected: 08/06/10 12:00 Received: 08/10/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**330**	mg/kg	10.7	5.3	5	08/11/10 09:33	08/11/10 13:06		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<500**	ug/kg	1200	500	20	08/11/10 09:15	08/11/10 16:49	71-43-2	W
Ethylbenzene	**27100**	ug/kg	1360	568	20	08/11/10 09:15	08/11/10 16:49	100-41-4	
Gasoline Range Organics	**1890**	mg/kg	56.8	56.8	20	08/11/10 09:15	08/11/10 16:49		
Methyl-tert-butyl ether	**<500**	ug/kg	1200	500	20	08/11/10 09:15	08/11/10 16:49	1634-04-4	W
Naphthalene	**12000**	ug/kg	1360	568	20	08/11/10 09:15	08/11/10 16:49	91-20-3	B
Toluene	**32200**	ug/kg	1360	568	20	08/11/10 09:15	08/11/10 16:49	108-88-3	
Total Trimethylbenzenes	**109000**	ug/kg	2720	1140	20	08/11/10 09:15	08/11/10 16:49		
1,2,4-Trimethylbenzene	**77900**	ug/kg	1360	568	20	08/11/10 09:15	08/11/10 16:49	95-63-6	
1,3,5-Trimethylbenzene	**31100**	ug/kg	1360	568	20	08/11/10 09:15	08/11/10 16:49	108-67-8	
Xylene (Total)	**155000**	ug/kg	4090	1700	20	08/11/10 09:15	08/11/10 16:49	1330-20-7	
m&p-Xylene	**111000**	ug/kg	2720	1140	20	08/11/10 09:15	08/11/10 16:49	179601-23-1	
o-Xylene	**44400**	ug/kg	1360	568	20	08/11/10 09:15	08/11/10 16:49	95-47-6	
a,a,a-Trifluorotoluene (S)	110	%	80-120		20	08/11/10 09:15	08/11/10 16:49	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.9**	%	0.10	0.10	1		08/11/10 07:59		

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ANALYTICAL RESULTS

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Sample: SWE **Lab ID: 4035498007** Collected: 08/06/10 12:10 Received: 08/10/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**363**	mg/kg	21.3	10.6	10	08/11/10 09:33	08/11/10 13:15		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<1000**	ug/kg	2400	1000	40	08/11/10 09:15	08/11/10 17:14	71-43-2	W
Ethylbenzene	**20600**	ug/kg	2870	1200	40	08/11/10 09:15	08/11/10 17:14	100-41-4	
Gasoline Range Organics	**4210**	mg/kg	120	120	40	08/11/10 09:15	08/11/10 17:14		
Methyl-tert-butyl ether	**<1000**	ug/kg	2400	1000	40	08/11/10 09:15	08/11/10 17:14	1634-04-4	W
Naphthalene	**19400**	ug/kg	2870	1200	40	08/11/10 09:15	08/11/10 17:14	91-20-3	B
Toluene	**4790**	ug/kg	2870	1200	40	08/11/10 09:15	08/11/10 17:14	108-88-3	
Total Trimethylbenzenes	**260000**	ug/kg	5750	2400	40	08/11/10 09:15	08/11/10 17:14		
1,2,4-Trimethylbenzene	**173000**	ug/kg	2870	1200	40	08/11/10 09:15	08/11/10 17:14	95-63-6	
1,3,5-Trimethylbenzene	**86800**	ug/kg	2870	1200	40	08/11/10 09:15	08/11/10 17:14	108-67-8	
Xylene (Total)	**93200**	ug/kg	8620	3590	40	08/11/10 09:15	08/11/10 17:14	1330-20-7	
m&p-Xylene	**75200**	ug/kg	5750	2400	40	08/11/10 09:15	08/11/10 17:14	179601-23-1	
o-Xylene	**18000**	ug/kg	2870	1200	40	08/11/10 09:15	08/11/10 17:14	95-47-6	
a,a,a-Trifluorotoluene (S)	112	%	80-120		40	08/11/10 09:15	08/11/10 17:14	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.5**	%	0.10	0.10	1		08/11/10 07:59		

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ANALYTICAL RESULTS

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Sample: SWN **Lab ID: 4035498008** Collected: 08/06/10 12:20 Received: 08/10/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**344**	mg/kg	10.8	5.4	5	08/11/10 09:33	08/11/10 13:24		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<625**	ug/kg	1500	625	25	08/11/10 09:15	08/11/10 17:40	71-43-2	W
Ethylbenzene	**17700**	ug/kg	1790	747	25	08/11/10 09:15	08/11/10 17:40	100-41-4	
Gasoline Range Organics	**2890**	mg/kg	74.7	74.7	25	08/11/10 09:15	08/11/10 17:40		
Methyl-tert-butyl ether	**<625**	ug/kg	1500	625	25	08/11/10 09:15	08/11/10 17:40	1634-04-4	W
Naphthalene	**17500**	ug/kg	1790	747	25	08/11/10 09:15	08/11/10 17:40	91-20-3	B
Toluene	**11000**	ug/kg	1790	747	25	08/11/10 09:15	08/11/10 17:40	108-88-3	
Total Trimethylbenzenes	**117000**	ug/kg	3590	1490	25	08/11/10 09:15	08/11/10 17:40		
1,2,4-Trimethylbenzene	**72200**	ug/kg	1790	747	25	08/11/10 09:15	08/11/10 17:40	95-63-6	
1,3,5-Trimethylbenzene	**44500**	ug/kg	1790	747	25	08/11/10 09:15	08/11/10 17:40	108-67-8	
Xylene (Total)	**130000**	ug/kg	5380	2240	25	08/11/10 09:15	08/11/10 17:40	1330-20-7	
m&p-Xylene	**95200**	ug/kg	3590	1490	25	08/11/10 09:15	08/11/10 17:40	179601-23-1	
o-Xylene	**35000**	ug/kg	1790	747	25	08/11/10 09:15	08/11/10 17:40	95-47-6	
a,a,a-Trifluorotoluene (S)	118	%	80-120		25	08/11/10 09:15	08/11/10 17:40	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.3**	%	0.10	0.10	1		08/11/10 07:59		

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

QC Batch: GCSV/13538
QC Batch Method: EPA 8082
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB
Associated Lab Samples: 4035498002

METHOD BLANK: 836400 Matrix: Solid
Associated Lab Samples: 4035498002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<4.0	33.0	08/12/10 18:12	
PCB-1221 (Aroclor 1221)	ug/kg	<8.0	33.0	08/12/10 18:12	
PCB-1232 (Aroclor 1232)	ug/kg	<8.0	33.0	08/12/10 18:12	
PCB-1242 (Aroclor 1242)	ug/kg	<6.0	33.0	08/12/10 18:12	
PCB-1248 (Aroclor 1248)	ug/kg	<6.0	33.0	08/12/10 18:12	
PCB-1254 (Aroclor 1254)	ug/kg	<5.0	33.0	08/12/10 18:12	
PCB-1260 (Aroclor 1260)	ug/kg	<9.0	33.0	08/12/10 18:12	
PCB-1262 (Aroclor 1262)	ug/kg	<4.0	33.0	08/12/10 18:12	
PCB-1268 (Aroclor 1268)	ug/kg	<4.0	33.0	08/12/10 18:12	
Decachlorobiphenyl (S)	%	96	55-125	08/12/10 18:12	
Tetrachloro-m-xylene (S)	%	97	55-125	08/12/10 18:12	

LABORATORY CONTROL SAMPLE: 836401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	667	662	99	68-125	
PCB-1260 (Aroclor 1260)	ug/kg	667	667	100	64-125	
Decachlorobiphenyl (S)	%			101	55-125	
Tetrachloro-m-xylene (S)	%			98	55-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 836411 836412

Parameter	Units	4035498002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<4.5	753	753	668	689	89	92	43-128	3	30	
PCB-1260 (Aroclor 1260)	ug/kg	<10.2	753	753	706	691	94	92	36-126	2	30	
Decachlorobiphenyl (S)	%						90	90	55-125			
Tetrachloro-m-xylene (S)	%						90	89	55-125			

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

QC Batch: OEXT/8260 Analysis Method: EPA 8082
QC Batch Method: EPA 3510 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 4035498001

METHOD BLANK: 340037 Matrix: Water
Associated Lab Samples: 4035498001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.15	0.50	08/13/10 15:33	
PCB-1221 (Aroclor 1221)	ug/L	<0.15	0.50	08/13/10 15:33	
PCB-1232 (Aroclor 1232)	ug/L	<0.15	0.50	08/13/10 15:33	
PCB-1242 (Aroclor 1242)	ug/L	<0.15	0.50	08/13/10 15:33	
PCB-1248 (Aroclor 1248)	ug/L	<0.15	0.50	08/13/10 15:33	
PCB-1254 (Aroclor 1254)	ug/L	<0.15	0.50	08/13/10 15:33	
PCB-1260 (Aroclor 1260)	ug/L	<0.15	0.50	08/13/10 15:33	
Decachlorobiphenyl (S)	%	92	18-150	08/13/10 15:33	
Tetrachloro-m-xylene (S)	%	68	51-130	08/13/10 15:33	

LABORATORY CONTROL SAMPLE & LCSD: 340038 340039

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L		<0.15	<0.15					20	
PCB-1221 (Aroclor 1221)	ug/L		<0.15	<0.15					20	
PCB-1232 (Aroclor 1232)	ug/L		<0.15	<0.15					20	
PCB-1242 (Aroclor 1242)	ug/L		<0.15	<0.15					20	
PCB-1248 (Aroclor 1248)	ug/L		<0.15	<0.15					20	
PCB-1254 (Aroclor 1254)	ug/L		<0.15	<0.15					20	
PCB-1260 (Aroclor 1260)	ug/L	2.5	2.7	2.8	107	113	62-130	6	20	
Decachlorobiphenyl (S)	%				103	105	18-150			
Tetrachloro-m-xylene (S)	%				73	79	51-130			

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

QC Batch: OEXT/8231 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 4035498002, 4035498003, 4035498004, 4035498005, 4035498006, 4035498007, 4035498008

METHOD BLANK: 339289 Matrix: Solid
Associated Lab Samples: 4035498002, 4035498003, 4035498004, 4035498005, 4035498006, 4035498007, 4035498008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<0.99	2.0	08/11/10 09:58	

LABORATORY CONTROL SAMPLE & LCSD: 339290 339291

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	28.2	30.6	70	76	70-120	8	20	

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

QC Batch: GCV/5455 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 4035498002, 4035498003, 4035498004, 4035498005, 4035498006, 4035498007, 4035498008

METHOD BLANK: 339413 Matrix: Solid
Associated Lab Samples: 4035498002, 4035498003, 4035498004, 4035498005, 4035498006, 4035498007, 4035498008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	08/11/10 09:55	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	08/11/10 09:55	
Benzene	ug/kg	<25.0	60.0	08/11/10 09:55	
Ethylbenzene	ug/kg	<25.0	60.0	08/11/10 09:55	
Gasoline Range Organics	mg/kg	<2.5	2.5	08/11/10 09:55	
m&p-Xylene	ug/kg	<50.0	120	08/11/10 09:55	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	08/11/10 09:55	
Naphthalene	ug/kg	<25.0	60.0	08/11/10 09:55	
o-Xylene	ug/kg	<25.0	60.0	08/11/10 09:55	
Toluene	ug/kg	<25.0	60.0	08/11/10 09:55	
Total Trimethylbenzenes	ug/kg	<50.0	120	08/11/10 09:55	
Xylene (Total)	ug/kg	<75.0	180	08/11/10 09:55	
a,a,a-Trifluorotoluene (S)	%	106	80-120	08/11/10 09:55	

LABORATORY CONTROL SAMPLE & LCSD: 339414 339415

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1050	1140	105	114	80-120	8	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1040	1100	104	110	80-120	5	20	
Benzene	ug/kg	1000	968	1010	97	101	80-120	4	20	
Ethylbenzene	ug/kg	1000	1020	1070	102	107	80-120	5	20	
Gasoline Range Organics	mg/kg	10	8.5	9.0	85	90	80-120	5	20	
m&p-Xylene	ug/kg	2000	2050	2180	103	109	80-120	6	20	
Methyl-tert-butyl ether	ug/kg	1000	917	966	92	97	80-120	5	20	
Naphthalene	ug/kg	1000	1010	1080	101	108	80-120	7	20	
o-Xylene	ug/kg	1000	1010	1070	101	107	80-120	5	20	
Toluene	ug/kg	1000	1000	1050	100	105	80-120	4	20	
Total Trimethylbenzenes	ug/kg	2000	2090	2240	104	112	80-120	7	20	
Xylene (Total)	ug/kg	3000	3060	3240	102	108	80-120	6	20	
a,a,a-Trifluorotoluene (S)	%				105	105	80-120			

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

QC Batch: MPRP/4407
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 4035498002

METHOD BLANK: 340756 Matrix: Water
Associated Lab Samples: 4035498002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.0038	0.0075	08/16/10 10:41	

LABORATORY CONTROL SAMPLE: 340757

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	.5	0.48	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 340758 340759

Parameter	Units	4035453001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	0.022J	2.5	2.5	2.4	2.3	93	93	75-125	.3	20	

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

QC Batch: MPRP/4392
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 4035498001

METHOD BLANK: 340341 Matrix: Water
Associated Lab Samples: 4035498001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<0.55	20.0	08/12/10 13:08	
Barium	ug/L	<0.27	5.0	08/12/10 13:08	
Cadmium	ug/L	<0.26	5.0	08/12/10 13:08	
Chromium	ug/L	<0.44	5.0	08/12/10 13:08	
Lead	ug/L	<1.4	7.5	08/12/10 13:08	
Selenium	ug/L	<2.1	20.0	08/12/10 13:08	
Silver	ug/L	<0.46	10.0	08/12/10 13:08	

LABORATORY CONTROL SAMPLE: 340342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	486	97	80-120	
Barium	ug/L	500	473	95	80-120	
Cadmium	ug/L	500	484	97	80-120	
Chromium	ug/L	500	515	103	80-120	
Lead	ug/L	500	488	98	80-120	
Selenium	ug/L	500	472	94	80-120	
Silver	ug/L	250	228	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 340360 340361

Parameter	Units	4035472001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	<0.55	500	500	492	496	98	99	75-125	.7	20	
Barium	ug/L	26.4	500	500	495	497	94	94	75-125	.4	20	
Cadmium	ug/L	1.6J	500	500	486	486	97	97	75-125	.2	20	
Chromium	ug/L	309	500	500	812	819	101	102	75-125	.9	20	
Lead	ug/L	<1.4	500	500	479	479	96	96	75-125	.1	20	
Selenium	ug/L	<2.1	500	500	477	475	95	95	75-125	.4	20	
Silver	ug/L	<0.46	250	250	224	224	89	90	75-125	.2	20	

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

QC Batch: MERP/2138
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 4035498001

METHOD BLANK: 340291 Matrix: Water
Associated Lab Samples: 4035498001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	08/12/10 14:03	

LABORATORY CONTROL SAMPLE: 340292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 340293 340294

Parameter	Units	4035306001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.20	5	5	5.0	5.0	99	101	85-115	1	20	

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

QC Batch: OEXT/8271 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 4035498002

METHOD BLANK: 340356 Matrix: Water
Associated Lab Samples: 4035498002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	<0.86	5.0	08/13/10 11:00	
2,4,5-Trichlorophenol	ug/L	<1.0	5.0	08/13/10 11:00	
2,4,6-Trichlorophenol	ug/L	<1.1	5.0	08/13/10 11:00	
2,4-Dinitrotoluene	ug/L	<0.80	5.0	08/13/10 11:00	
2-Methylphenol(o-Cresol)	ug/L	<0.97	5.0	08/13/10 11:00	
3&4-Methylphenol(m&p Cresol)	ug/L	<0.77	5.0	08/13/10 11:00	
Hexachloro-1,3-butadiene	ug/L	<0.66	10.0	08/13/10 11:00	
Hexachlorobenzene	ug/L	<1.1	5.0	08/13/10 11:00	
Hexachloroethane	ug/L	<0.58	5.0	08/13/10 11:00	
Nitrobenzene	ug/L	<1.4	5.0	08/13/10 11:00	
Pentachlorophenol	ug/L	<1.1	10.0	08/13/10 11:00	
Pyridine	ug/L	<1.4	5.0	08/13/10 11:00	
2,4,6-Tribromophenol (S)	%	99	44-130	08/13/10 11:00	
2-Fluorobiphenyl (S)	%	94	56-130	08/13/10 11:00	
Nitrobenzene-d5 (S)	%	93	54-131	08/13/10 11:00	
Phenol-d6 (S)	%	41	18-130	08/13/10 11:00	

LABORATORY CONTROL SAMPLE: 340357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	38.5	77	46-130	
2,4,5-Trichlorophenol	ug/L	50	40.8	82	70-130	
2,4,6-Trichlorophenol	ug/L	50	44.0	88	70-130	
2,4-Dinitrotoluene	ug/L	50	52.5	105	70-130	
2-Methylphenol(o-Cresol)	ug/L	50	25.6	51	45-130	
3&4-Methylphenol(m&p Cresol)	ug/L	50	23.2	46	40-130	
Hexachloro-1,3-butadiene	ug/L	50	42.7	85	47-130	
Hexachlorobenzene	ug/L	50	64.5	129	66-130	
Hexachloroethane	ug/L	50	39.9	80	39-130	
Nitrobenzene	ug/L	50	49.3	99	62-130	
Pentachlorophenol	ug/L	50	45.2	90	44-130	
Pyridine	ug/L	50	19.0	38	10-130	
2,4,6-Tribromophenol (S)	%			132	44-130	S0
2-Fluorobiphenyl (S)	%			93	56-130	
Nitrobenzene-d5 (S)	%			96	54-131	
Phenol-d6 (S)	%			36	18-130	

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

MATRIX SPIKE SAMPLE: 340358

Parameter	Units	4035498002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	<4.3	250	191	76	42-130	
2,4,5-Trichlorophenol	ug/L	<5.0	250	218	87	62-130	
2,4,6-Trichlorophenol	ug/L	<5.3	250	230	92	58-130	
2,4-Dinitrotoluene	ug/L	<4.0	250	255	102	56-138	
2-Methylphenol(o-Cresol)	ug/L	<4.9	250	133	53	29-130	
3&4-Methylphenol(m&p Cresol)	ug/L	<3.8	250	121	48	29-130	
Hexachloro-1,3-butadiene	ug/L	<3.3	250	218	87	39-130	
Hexachlorobenzene	ug/L	<5.6	250	319	128	58-130	
Hexachloroethane	ug/L	<2.9	250	196	78	24-130	
Nitrobenzene	ug/L	<6.8	250	262	105	52-130	
Pentachlorophenol	ug/L	<5.4	250	211	85	44-130	
Pyridine	ug/L	<7.2	250	141	56	10-130	
2,4,6-Tribromophenol (S)	%				135	44-130	S0
2-Fluorobiphenyl (S)	%				99	56-130	
Nitrobenzene-d5 (S)	%				98	54-131	
Phenol-d6 (S)	%				39	18-130	

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

QC Batch: MSV/8684 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 4035498002

METHOD BLANK: 339740 Matrix: Water
Associated Lab Samples: 4035498002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	<0.57	1.0	08/12/10 07:53	
1,2-Dichloroethane	ug/L	<0.36	1.0	08/12/10 07:53	
2-Butanone (MEK)	ug/L	<4.3	5.0	08/12/10 07:53	
Benzene	ug/L	<0.41	1.0	08/12/10 07:53	
Carbon tetrachloride	ug/L	<0.49	1.0	08/12/10 07:53	
Chlorobenzene	ug/L	<0.41	1.0	08/12/10 07:53	
Chloroform	ug/L	<0.37	1.0	08/12/10 07:53	
Tetrachloroethene	ug/L	<0.45	1.0	08/12/10 07:53	
Trichloroethene	ug/L	<0.48	1.0	08/12/10 07:53	
Vinyl chloride	ug/L	<0.18	1.0	08/12/10 07:53	
4-Bromofluorobenzene (S)	%	91	69-130	08/12/10 07:53	
Dibromofluoromethane (S)	%	103	70-134	08/12/10 07:53	
Toluene-d8 (S)	%	100	70-130	08/12/10 07:53	

LABORATORY CONTROL SAMPLE & LCSD: 339741 339742

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	ug/L	50	62.2	62.3	124	125	70-137	.1	20	
1,2-Dichloroethane	ug/L	50	57.3	56.9	115	114	70-130	.8	20	
2-Butanone (MEK)	ug/L	50	66.6	52.4	133	105	50-150	24	20	D6
Benzene	ug/L	50	55.1	55.7	110	111	70-130	1	20	
Carbon tetrachloride	ug/L	50	61.3	61.3	123	123	70-130	.02	20	
Chlorobenzene	ug/L	50	52.6	53.1	105	106	70-130	1	20	
Chloroform	ug/L	50	55.9	55.8	112	112	70-130	.2	20	
Tetrachloroethene	ug/L	50	50.9	51.7	102	103	70-130	1	20	
Trichloroethene	ug/L	50	54.8	54.8	110	110	70-130	.03	20	
Vinyl chloride	ug/L	50	55.3	57.0	111	114	47-131	3	20	
4-Bromofluorobenzene (S)	%				95	95	69-130			
Dibromofluoromethane (S)	%				104	107	70-134			
Toluene-d8 (S)	%				102	104	70-130			

MATRIX SPIKE SAMPLE: 339743

Parameter	Units	4035498002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	<5.7	500	635	127	70-137	
1,2-Dichloroethane	ug/L	<3.6	500	605	121	70-133	
2-Butanone (MEK)	ug/L	<43.0	500	513	103	50-150	
Benzene	ug/L	<4.1	500	571	114	70-130	
Carbon tetrachloride	ug/L	<4.9	500	612	122	70-149	
Chlorobenzene	ug/L	<4.1	500	542	108	70-130	

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

MATRIX SPIKE SAMPLE: 339743

Parameter	Units	4035498002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	<3.7	500	577	115	70-130	
Tetrachloroethene	ug/L	<4.5	500	522	104	70-130	
Trichloroethene	ug/L	<4.8	500	546	109	70-130	
Vinyl chloride	ug/L	<1.8	500	573	115	46-131	
4-Bromofluorobenzene (S)	%				96	69-130	
Dibromofluoromethane (S)	%				106	70-134	
Toluene-d8 (S)	%				102	70-130	

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

QC Batch: MSV/8672 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 4035498001

METHOD BLANK: 339310 Matrix: Water
Associated Lab Samples: 4035498001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.92	1.0	08/11/10 09:27	
1,1,1-Trichloroethane	ug/L	<0.90	1.0	08/11/10 09:27	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	1.0	08/11/10 09:27	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	08/11/10 09:27	
1,1-Dichloroethane	ug/L	<0.75	1.0	08/11/10 09:27	
1,1-Dichloroethene	ug/L	<0.57	1.0	08/11/10 09:27	
1,1-Dichloropropene	ug/L	<0.75	1.0	08/11/10 09:27	
1,2,3-Trichlorobenzene	ug/L	<0.74	1.0	08/11/10 09:27	
1,2,3-Trichloropropane	ug/L	<0.99	1.0	08/11/10 09:27	
1,2,4-Trichlorobenzene	ug/L	<0.97	1.0	08/11/10 09:27	
1,2,4-Trimethylbenzene	ug/L	<0.97	1.0	08/11/10 09:27	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	08/11/10 09:27	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	08/11/10 09:27	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	08/11/10 09:27	
1,2-Dichloroethane	ug/L	<0.36	1.0	08/11/10 09:27	
1,2-Dichloropropane	ug/L	<0.49	1.0	08/11/10 09:27	
1,3,5-Trimethylbenzene	ug/L	<0.83	1.0	08/11/10 09:27	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	08/11/10 09:27	
1,3-Dichloropropane	ug/L	<0.61	1.0	08/11/10 09:27	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	08/11/10 09:27	
2,2-Dichloropropane	ug/L	<0.62	1.0	08/11/10 09:27	
2-Chlorotoluene	ug/L	<0.85	1.0	08/11/10 09:27	
4-Chlorotoluene	ug/L	<0.74	1.0	08/11/10 09:27	
Benzene	ug/L	<0.41	1.0	08/11/10 09:27	
Bromobenzene	ug/L	<0.82	1.0	08/11/10 09:27	
Bromochloromethane	ug/L	<0.97	1.0	08/11/10 09:27	
Bromodichloromethane	ug/L	<0.56	1.0	08/11/10 09:27	
Bromoform	ug/L	<0.94	1.0	08/11/10 09:27	
Bromomethane	ug/L	<0.91	1.0	08/11/10 09:27	
Carbon tetrachloride	ug/L	<0.49	1.0	08/11/10 09:27	
Chlorobenzene	ug/L	<0.41	1.0	08/11/10 09:27	
Chloroethane	ug/L	<0.97	1.0	08/11/10 09:27	
Chloroform	ug/L	<1.3	5.0	08/11/10 09:27	
Chloromethane	ug/L	<0.24	1.0	08/11/10 09:27	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	08/11/10 09:27	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	08/11/10 09:27	
Dibromochloromethane	ug/L	<0.81	1.0	08/11/10 09:27	
Dibromomethane	ug/L	<0.60	1.0	08/11/10 09:27	
Dichlorodifluoromethane	ug/L	<0.99	1.0	08/11/10 09:27	
Diisopropyl ether	ug/L	<0.76	1.0	08/11/10 09:27	
Ethylbenzene	ug/L	<0.54	1.0	08/11/10 09:27	
Hexachloro-1,3-butadiene	ug/L	<0.67	5.0	08/11/10 09:27	
Isopropylbenzene (Cumene)	ug/L	<0.59	1.0	08/11/10 09:27	

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

METHOD BLANK: 339310 Matrix: Water

Associated Lab Samples: 4035498001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	<1.8	2.0	08/11/10 09:27	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	08/11/10 09:27	
Methylene Chloride	ug/L	<0.43	1.0	08/11/10 09:27	
n-Butylbenzene	ug/L	<0.93	1.0	08/11/10 09:27	
n-Propylbenzene	ug/L	<0.81	1.0	08/11/10 09:27	
Naphthalene	ug/L	<0.89	5.0	08/11/10 09:27	
o-Xylene	ug/L	<0.83	1.0	08/11/10 09:27	
p-Isopropyltoluene	ug/L	<0.67	1.0	08/11/10 09:27	
sec-Butylbenzene	ug/L	<0.89	5.0	08/11/10 09:27	
Styrene	ug/L	<0.86	1.0	08/11/10 09:27	
tert-Butylbenzene	ug/L	<0.97	1.0	08/11/10 09:27	
Tetrachloroethene	ug/L	<0.45	1.0	08/11/10 09:27	
Toluene	ug/L	<0.67	1.0	08/11/10 09:27	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	08/11/10 09:27	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	08/11/10 09:27	
Trichloroethene	ug/L	<0.48	1.0	08/11/10 09:27	
Trichlorofluoromethane	ug/L	<0.79	1.0	08/11/10 09:27	
Vinyl chloride	ug/L	<0.18	1.0	08/11/10 09:27	
4-Bromofluorobenzene (S)	%	87	69-130	08/11/10 09:27	
Dibromofluoromethane (S)	%	88	70-134	08/11/10 09:27	
Toluene-d8 (S)	%	98	70-130	08/11/10 09:27	

LABORATORY CONTROL SAMPLE & LCSD: 339311 339312

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.1	51.3	98	103	70-132	4	20	
1,1,2,2-Tetrachloroethane	ug/L	50	47.5	46.7	95	93	63-130	2	20	
1,1,2-Trichloroethane	ug/L	50	51.2	49.3	102	99	70-130	4	20	
1,1-Dichloroethane	ug/L	50	51.1	51.7	102	103	70-132	1	20	
1,1-Dichloroethene	ug/L	50	52.8	54.9	106	110	70-137	4	20	
1,2-Dichloroethane	ug/L	50	48.5	48.6	97	97	70-130	.2	20	
1,2-Dichloropropane	ug/L	50	49.0	49.7	98	99	70-130	1	20	
Benzene	ug/L	50	51.1	51.4	102	103	70-130	.6	20	
Bromodichloromethane	ug/L	50	49.7	51.4	99	103	70-131	3	20	
Bromoform	ug/L	50	45.3	43.8	91	88	70-130	3	20	
Bromomethane	ug/L	50	51.3	53.6	103	107	53-160	4	20	
Carbon tetrachloride	ug/L	50	53.3	55.8	107	112	70-130	5	20	
Chlorobenzene	ug/L	50	52.6	52.0	105	104	70-130	1	20	
Chloroethane	ug/L	50	54.4	54.9	109	110	70-147	1	20	
Chloroform	ug/L	50	48.9	49.3	98	99	70-130	.9	20	
Chloromethane	ug/L	50	45.9	48.6	92	97	41-137	6	20	
cis-1,2-Dichloroethene	ug/L	50	49.4	49.7	99	99	70-130	.6	20	
cis-1,3-Dichloropropene	ug/L	50	45.5	45.2	91	90	70-130	.7	20	
Dibromochloromethane	ug/L	50	48.7	47.7	97	95	70-130	2	20	
Ethylbenzene	ug/L	50	54.5	54.1	109	108	70-130	.8	20	

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

LABORATORY CONTROL SAMPLE & LCSD: 339311 339312

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/L	100	109	108	109	108	70-130	.4	20	
Methylene Chloride	ug/L	50	51.7	53.0	103	106	70-130	2	20	
o-Xylene	ug/L	50	54.5	53.8	109	108	70-130	1	20	
Styrene	ug/L	50	52.9	52.7	106	105	70-130	.3	20	
Tetrachloroethene	ug/L	50	54.2	53.1	108	106	70-130	2	20	
Toluene	ug/L	50	53.4	53.2	107	106	70-130	.4	20	
trans-1,2-Dichloroethene	ug/L	50	52.8	54.3	106	109	70-130	3	20	
trans-1,3-Dichloropropene	ug/L	50	42.4	41.3	85	83	70-130	3	20	
Trichloroethene	ug/L	50	51.6	52.4	103	105	70-130	2	20	
Vinyl chloride	ug/L	50	48.2	51.2	96	102	47-131	6	20	
4-Bromofluorobenzene (S)	%				89	90	69-130			
Dibromofluoromethane (S)	%				92	96	70-134			
Toluene-d8 (S)	%				100	99	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 339326 339327

Parameter	Units	4035478007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.90	50	50	50.3	50.4	101	101	70-132	.2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	50	50	48.3	48.4	97	97	61-130	.2	20	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	49.2	49.6	98	99	70-130	.8	20	
1,1-Dichloroethane	ug/L	<0.75	50	50	50.3	51.1	101	102	70-132	2	20	
1,1-Dichloroethene	ug/L	<0.57	50	50	49.2	50.4	98	101	70-137	2	20	
1,2-Dichloroethane	ug/L	<0.36	50	50	48.2	48.7	96	97	70-133	1	20	
1,2-Dichloropropane	ug/L	<0.49	50	50	50.6	49.0	101	98	70-130	3	20	
Benzene	ug/L	<0.41	50	50	50.8	50.6	102	101	70-130	.5	20	
Bromodichloromethane	ug/L	<0.56	50	50	49.6	48.9	99	98	70-131	2	20	
Bromoform	ug/L	<0.94	50	50	42.8	41.6	86	83	68-130	3	20	
Bromomethane	ug/L	<0.91	50	50	51.3	52.2	103	104	47-177	2	20	
Carbon tetrachloride	ug/L	<0.49	50	50	52.8	53.6	106	107	70-149	1	20	
Chlorobenzene	ug/L	<0.41	50	50	50.6	50.7	101	101	70-130	.2	20	
Chloroethane	ug/L	<0.97	50	50	53.6	53.5	107	107	66-147	.1	20	
Chloroform	ug/L	<1.3	50	50	48.2	49.0	95	97	70-130	2	20	
Chloromethane	ug/L	<0.24	50	50	47.0	46.2	94	92	41-137	2	20	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	51.1	50.7	102	101	70-130	.9	20	
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	46.4	43.1	93	86	70-130	7	20	
Dibromochloromethane	ug/L	<0.81	50	50	46.8	46.6	94	93	70-130	.5	20	
Ethylbenzene	ug/L	<0.54	50	50	49.1	50.0	98	100	70-130	2	20	
m&p-Xylene	ug/L	<1.8	100	100	83.0	89.3	83	89	70-130	7	20	
Methylene Chloride	ug/L	<0.43	50	50	51.3	52.1	103	104	70-130	2	20	
o-Xylene	ug/L	<0.83	50	50	44.3	46.8	89	94	70-130	6	20	
Styrene	ug/L	<0.86	50	50	12.3	15.6	25	31	13-149	24	20	D6
Tetrachloroethene	ug/L	<0.45	50	50	51.3	52.0	103	104	70-130	1	20	
Toluene	ug/L	1.0	50	50	50.0	50.9	98	100	70-130	2	20	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	49.9	51.5	100	103	70-130	3	20	
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	40.0	38.9	80	78	70-130	3	20	
Trichloroethene	ug/L	<0.48	50	50	51.7	50.2	103	100	70-130	3	20	

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 339326 339327

Parameter	Units	4035478007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vinyl chloride	ug/L	<0.18	50	50	47.5	48.5	95	97	46-131	2	20	
4-Bromofluorobenzene (S)	%						88	89	69-130			
Dibromofluoromethane (S)	%						94	94	70-134			
Toluene-d8 (S)	%						97	97	70-130			

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QUALITY CONTROL DATA

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

QC Batch: PMST/4367 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4035498002, 4035498003, 4035498004, 4035498005, 4035498006, 4035498007, 4035498008

SAMPLE DUPLICATE: 339131

Parameter	Units	4035519001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.0	7.1	1	10	

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QUALIFIERS

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay
PASI-M	Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: GCSV/4698

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
S0	Surrogate recovery outside laboratory control limits.
W	Non-detect results are reported on a wet weight basis.

Pace Analytical - Green Bay
Attention: Tod Noltemeyer
1241 Bellvue St.
Green Bay,WI 54302

Date Received: 08/12/2010
Date Reported: 8/13/2010
Client Project: Soil Test
Client Project ID: 06343.01.001 STH76 Stephens
Project #: 06343.01.001 STH76 Stephens

Certificate of Analysis

All quality control samples and checks were within acceptance limits unless otherwise indicated.Test results pertain only to those items tested. All samples were in good condition when received by the laboratory unless otherwise noted. All LOD/LOQs are adjusted to reflect dilutions.

DNR #	Analyte	Result Wet Wt.	LOD Wet Wt.	Result Dry Wt.	LOD Dry Wt.	Units	Date Prepared	Date Analyzed	Method	Notes
STH0407-01	**WC (4035498002)**					**Date Sampled: 08/06/2010**				
	Preparation: SW-846 5050					Prepared By: GGG				
	Chlorine as Cl	0.024	0.010	0.027	0.011	% Wt.	08/13/2010	08/13/10	D808	
	Solids		90.99	% Wt.			08/13/2010	08/13/10	EPA 160.3	

J This result is greater than our LOD (Limit of Detection) and less than our LOQ (Limit of Quantitation).

This report was prepared and printed by:

Gary Geipel, SIA Department Manager

SF Analytical Laboratories • 2345 South 170th Street • New Berlin, WI 53151
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Wisconsin Dept. of Trade and Consumer Protection Certified #168 • Dept. of Natural Resources State Certified Laboratory #241249360
FDA Registered Laboratory #2134640 • USDA Soil Permit #S-76521

(Please Print Clearly)

Company Name:	RMT
Branch/Location:	Madison
Project Contact:	Dan Haak
Phone:	608 662 5274
Project Number:	06343.01.001
Project Name:	STH76 Stephensville
Project State:	WI
Sampled By (Print):	Dan Haak
Sampled By (Sign):	Dan Haak
PO #:	
Regulatory Program:	

Pace Analytical® www.pacelabs.com

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

4035498

Quote #:	
Mail To Contact:	Dan Haak
Mail To Company:	RMT
Mail To Address:	744 Heartland Trail Madison WI 53717
Invoice To Contact:	Accounts Payable
Invoice To Company:	RMT
Invoice To Address:	Same
Invoice To Phone:	608 831 4444

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO) — Y/N
PRESERVATION (CODE)* — Pick Letter

Analyses Requested

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	DRO	GRO	PVOCs + naphthalene	TCLP RCRA metals	VOCs	PCBs	Flashpoint	BIO-4	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	Water	8/6/10	9:30	W	X			X	X	X	X		3 - 40ml	B 1-1L AG; 2-250ml D	
002	WC		10:30	S	X	X	X					X		5-4oz; 1-40ml F	
003	SWW		11:30	S	X	X	X							1-4oz; 1-40ml; F 1-4oz	
004	BS		11:40	S	X	X	X							↓	
005	SWS		11:50	S	X	X	X							↓	
006	BN		12:00	S	X	X	X							↓	
007	SWE		12:10	S	X	X	X							↓	
008	SWN		12:20	S	X	X	X							↓	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	dan.haak@rmtinc.com
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dan Haak	8/6/10 17:00	D. Fornel	8/9/10 1225
D. Fornel	8/9/10 1700	CS Logistics	
CS Logistics	8/10/10 9:00	L. Bullock - Pace	8/10/10 9:00

PACE Project No.

Receipt Temp = ICE °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
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Pace Analytical

Sample Condition Upon Receipt

Client Name: NMT Project # 4035498

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None Other

Optional
Proj Due Date:
Proj Name:

Thermometer Used NM Type of Ice: (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature WOI Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: UB 8/10/10
Initials: _____

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume: UB 8/10/10	☑Yes ☐No ☐N/A	8. No volume for DRO vial. for #001. UB 8/10/10
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W/S		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13. 001 requesting TCLP RCRA - it is water sample. UB 8/10/10
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: #001 - Requesting flashpoint; no unpreserved volume vial. UB 8/10/10

Project Manager Review: _____ **Date:** _____

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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(920)469-2436

September 07, 2010

NATHAN BRAUN
RMT - MADISON
744 HEARTLAND TRAIL
Madison, WI 53717

RE: Project: 06343.02.001 STH76
Pace Project No.: 4036134

Dear NATHAN BRAUN:
Enclosed are the analytical results for sample(s) received by the laboratory on August 24, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alee Her for
Tod Noltemeyer
tod.noltemeyer@pacelabs.com
Project Manager

Enclosures

cc: DAN HAAK, RMT MADISON
JARED OMERNIK, RMT - MADISON

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4036134001	**GP1**	Solid	08/20/10 09:00	08/24/10 09:00
4036134002	**GP1**	Water	08/20/10 09:20	08/24/10 09:00
4036134003	**SW NORTH**	Solid	08/20/10 09:15	08/24/10 09:00
4036134004	**TP**	Solid	08/20/10 09:30	08/24/10 09:00
4036134005	**GP2**	Solid	08/20/10 10:25	08/24/10 09:00
4036134006	**GP2**	Water	08/20/10 10:25	08/24/10 09:00
4036134007	**SW WEST**	Solid	08/20/10 11:58	08/24/10 09:00
4036134008	**BASE**	Solid	08/20/10 12:05	08/24/10 09:00
4036134009	**GP3**	Water	08/20/10 12:30	08/24/10 09:00
4036134010	**PW**	Water	08/20/10 10:30	08/24/10 09:00
4036134011	**GP5**	Water	08/20/10 13:50	08/24/10 09:00
4036134012	**TRIP BLANK**	Water	08/20/10 00:00	08/24/10 09:00

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SAMPLE ANALYTE COUNT

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4036134001	**GP1**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	PMS	11	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4036134002	**GP1**	WI MOD GRO	SES	10	PASI-G
		EPA 6010	DLB	1	PASI-G
4036134003	**SW NORTH**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	PMS	11	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4036134004	**TP**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	PMS	11	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4036134005	**GP2**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	PMS	11	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4036134006	**GP2**	WI MOD GRO	SES	10	PASI-G
		EPA 6010	DLB	1	PASI-G
4036134007	**SW WEST**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	PMS	11	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4036134008	**BASE**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	PMS	11	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4036134009	**GP3**	WI MOD GRO	SES	10	PASI-G
		EPA 6010	DLB	1	PASI-G
4036134010	**PW**	WI MOD GRO	SES	10	PASI-G
		EPA 6010	DLB	1	PASI-G
4036134011	**GP5**	WI MOD GRO	SES	10	PASI-G
		EPA 6010	DLB	1	PASI-G
4036134012	**TRIP BLANK**	WI MOD GRO	SES	10	PASI-G

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PROJECT NARRATIVE

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: RMT - MADISON
Date: September 07, 2010

General Information:
6 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: RMT - MADISON
Date: September 07, 2010

General Information:
6 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

pH: Post-analysis pH measurement indicates insufficient VOA sample preservation.
- GP5 (Lab ID: 4036134011)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with TPH GRO/PVOC WI ext. with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: GCV/5517

S7: Surrogate recovery outside control limits (not confirmed by re-analysis).
- GP1 (Lab ID: 4036134001)
  - a,a,a-Trifluorotoluene (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: GCV/5516

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: RMT - MADISON
Date: September 07, 2010

Additional Comments:

General Information:
6 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

pH: Post-analysis pH measurement indicates insufficient VOA sample preservation.
- GP5 (Lab ID: 4036134011)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: GCV/5517

S7: Surrogate recovery outside control limits (not confirmed by re-analysis).
- GP1 (Lab ID: 4036134001)
  - a,a,a-Trifluorotoluene (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: GCV/5516

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Method: **EPA 6010**
Description: 6010 MET ICP, Dissolved
Client: RMT - MADISON
Date: September 07, 2010

General Information:
5 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Sample: GP1 **Lab ID: 4036134001** Collected: 08/20/10 09:00 Received: 08/24/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**28.3**	mg/kg	2.4	1.2	1	08/27/10 09:41	09/01/10 13:35		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 18:33	71-43-2	W
Ethylbenzene	**828**	ug/kg	77.5	32.3	1	08/26/10 07:38	08/26/10 18:33	100-41-4	
Gasoline Range Organics	**240**	mg/kg	3.2	3.2	1	08/26/10 07:38	08/26/10 18:33		
Methyl-tert-butyl ether	**72.0J**	ug/kg	77.5	32.3	1	08/26/10 07:38	08/26/10 18:33	1634-04-4	
Naphthalene	**449**	ug/kg	77.5	32.3	1	08/26/10 07:38	08/26/10 18:33	91-20-3	
Toluene	**163**	ug/kg	77.5	32.3	1	08/26/10 07:38	08/26/10 18:33	108-88-3	
1,2,4-Trimethylbenzene	**1060**	ug/kg	77.5	32.3	1	08/26/10 07:38	08/26/10 18:33	95-63-6	
1,3,5-Trimethylbenzene	**1350**	ug/kg	77.5	32.3	1	08/26/10 07:38	08/26/10 18:33	108-67-8	
m&p-Xylene	**1580**	ug/kg	155	64.6	1	08/26/10 07:38	08/26/10 18:33	179601-23-1	
o-Xylene	**534**	ug/kg	77.5	32.3	1	08/26/10 07:38	08/26/10 18:33	95-47-6	
a,a,a-Trifluorotoluene (S)	124	%	80-120		1	08/26/10 07:38	08/26/10 18:33	98-08-8	S7
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.6**	%	0.10	0.10	1		08/26/10 07:50		

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ANALYTICAL RESULTS

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Sample: GP1 **Lab ID: 4036134002** Collected: 08/20/10 09:20 Received: 08/24/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		08/25/10 16:32	71-43-2	
Ethylbenzene	**73.0**	ug/L	1.0	0.41	1		08/25/10 16:32	100-41-4	
Methyl-tert-butyl ether	**4.8**	ug/L	1.0	0.38	1		08/25/10 16:32	1634-04-4	
Naphthalene	**57.8**	ug/L	1.0	0.40	1		08/25/10 16:32	91-20-3	
Toluene	**<0.42**	ug/L	1.0	0.42	1		08/25/10 16:32	108-88-3	
1,2,4-Trimethylbenzene	**41.2**	ug/L	1.0	0.43	1		08/25/10 16:32	95-63-6	
1,3,5-Trimethylbenzene	**48.5**	ug/L	1.0	0.40	1		08/25/10 16:32	108-67-8	
m&p-Xylene	**48.2**	ug/L	2.0	0.87	1		08/25/10 16:32	179601-23-1	
o-Xylene	**2.2**	ug/L	1.0	0.38	1		08/25/10 16:32	95-47-6	
a,a,a-Trifluorotoluene (S)	95	%	80-120		1		08/25/10 16:32	98-08-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**1.9J**	ug/L	7.5	1.7	1		08/27/10 17:17	7439-92-1	

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ANALYTICAL RESULTS

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Sample: SW NORTH **Lab ID: 4036134003** Collected: 08/20/10 09:15 Received: 08/24/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<1.1**	mg/kg	2.1	1.1	1	08/27/10 09:41	09/01/10 13:44		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 11:45	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 11:45	100-41-4	W
Gasoline Range Organics	**<2.9**	mg/kg	2.9	2.9	1	08/26/10 07:38	08/26/10 11:45		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 11:45	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 11:45	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 11:45	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 11:45	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 11:45	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/26/10 07:38	08/26/10 11:45	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 11:45	95-47-6	W
a,a,a-Trifluorotoluene (S)	105	%	80-120		1	08/26/10 07:38	08/26/10 11:45	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.0**	%	0.10	0.10	1		08/26/10 07:51		

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ANALYTICAL RESULTS

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Sample: TP **Lab ID: 4036134004** Collected: 08/20/10 09:30 Received: 08/24/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<1.0**	mg/kg	2.1	1.0	1	08/27/10 09:41	09/01/10 13:53		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:10	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:10	100-41-4	W
Gasoline Range Organics	**<2.8**	mg/kg	2.8	2.8	1	08/26/10 07:38	08/26/10 12:10		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:10	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:10	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:10	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:10	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:10	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/26/10 07:38	08/26/10 12:10	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:10	95-47-6	W
a,a,a-Trifluorotoluene (S)	104	%	80-120		1	08/26/10 07:38	08/26/10 12:10	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.8**	%	0.10	0.10	1		08/26/10 07:51		

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ANALYTICAL RESULTS

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Sample: GP2 **Lab ID: 4036134005** Collected: 08/20/10 10:25 Received: 08/24/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**37.7**	mg/kg	1.8	0.88	1	08/27/10 09:41	09/01/10 14:02		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<125**	ug/kg	300	125	5	08/26/10 07:38	08/26/10 16:25	71-43-2	W
Ethylbenzene	**4460**	ug/kg	340	142	5	08/26/10 07:38	08/26/10 16:25	100-41-4	
Gasoline Range Organics	**701**	mg/kg	14.2	14.2	5	08/26/10 07:38	08/26/10 16:25		
Methyl-tert-butyl ether	**162J**	ug/kg	340	142	5	08/26/10 07:38	08/26/10 16:25	1634-04-4	
Naphthalene	**2640**	ug/kg	340	142	5	08/26/10 07:38	08/26/10 16:25	91-20-3	
Toluene	**620**	ug/kg	340	142	5	08/26/10 07:38	08/26/10 16:25	108-88-3	
1,2,4-Trimethylbenzene	**16800**	ug/kg	340	142	5	08/26/10 07:38	08/26/10 16:25	95-63-6	
1,3,5-Trimethylbenzene	**7690**	ug/kg	340	142	5	08/26/10 07:38	08/26/10 16:25	108-67-8	
m&p-Xylene	**7110**	ug/kg	680	283	5	08/26/10 07:38	08/26/10 16:25	179601-23-1	
o-Xylene	**1440**	ug/kg	340	142	5	08/26/10 07:38	08/26/10 16:25	95-47-6	
a,a,a-Trifluorotoluene (S)	98	%	80-120		5	08/26/10 07:38	08/26/10 16:25	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.8**	%	0.10	0.10	1		08/26/10 07:51		

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ANALYTICAL RESULTS

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Sample: GP2 **Lab ID: 4036134006** Collected: 08/20/10 10:25 Received: 08/24/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**96.5**	ug/L	1.0	0.39	1		08/25/10 16:58	71-43-2	
Ethylbenzene	**126**	ug/L	1.0	0.41	1		08/25/10 16:58	100-41-4	
Methyl-tert-butyl ether	**0.85J**	ug/L	1.0	0.38	1		08/25/10 16:58	1634-04-4	
Naphthalene	**68.3**	ug/L	1.0	0.40	1		08/25/10 16:58	91-20-3	
Toluene	**20.6**	ug/L	1.0	0.42	1		08/25/10 16:58	108-88-3	
1,2,4-Trimethylbenzene	**90.5**	ug/L	1.0	0.43	1		08/25/10 16:58	95-63-6	
1,3,5-Trimethylbenzene	**29.3**	ug/L	1.0	0.40	1		08/25/10 16:58	108-67-8	
m&p-Xylene	**149**	ug/L	2.0	0.87	1		08/25/10 16:58	179601-23-1	
o-Xylene	**19.6**	ug/L	1.0	0.38	1		08/25/10 16:58	95-47-6	
a,a,a-Trifluorotoluene (S)	96	%	80-120		1		08/25/10 16:58	98-08-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**1.9J**	ug/L	7.5	1.7	1		08/27/10 17:21	7439-92-1	

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ANALYTICAL RESULTS

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Sample: SW WEST **Lab ID: 4036134007** Collected: 08/20/10 11:58 Received: 08/24/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.85**	mg/kg	1.7	0.85	1	08/27/10 09:41	09/01/10 14:11		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:36	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:36	100-41-4	W
Gasoline Range Organics	**<3.1**	mg/kg	3.1	3.1	1	08/26/10 07:38	08/26/10 12:36		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:36	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:36	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:36	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:36	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:36	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/26/10 07:38	08/26/10 12:36	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/26/10 07:38	08/26/10 12:36	95-47-6	W
a,a,a-Trifluorotoluene (S)	105	%	80-120		1	08/26/10 07:38	08/26/10 12:36	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.1**	%	0.10	0.10	1		08/26/10 07:51		

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ANALYTICAL RESULTS

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Sample: BASE **Lab ID: 4036134008** Collected: 08/20/10 12:05 Received: 08/24/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**371**	mg/kg	19.8	9.8	10	08/27/10 09:41	09/02/10 08:35		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**1370**	ug/kg	685	285	10	08/26/10 07:38	08/26/10 16:51	71-43-2	
Ethylbenzene	**14100**	ug/kg	685	285	10	08/26/10 07:38	08/26/10 16:51	100-41-4	
Gasoline Range Organics	**1700**	mg/kg	28.5	28.5	10	08/26/10 07:38	08/26/10 16:51		
Methyl-tert-butyl ether	**<250**	ug/kg	600	250	10	08/26/10 07:38	08/26/10 16:51	1634-04-4	W
Naphthalene	**7790**	ug/kg	685	285	10	08/26/10 07:38	08/26/10 16:51	91-20-3	
Toluene	**14700**	ug/kg	685	285	10	08/26/10 07:38	08/26/10 16:51	108-88-3	
1,2,4-Trimethylbenzene	**32600**	ug/kg	685	285	10	08/26/10 07:38	08/26/10 16:51	95-63-6	
1,3,5-Trimethylbenzene	**17600**	ug/kg	685	285	10	08/26/10 07:38	08/26/10 16:51	108-67-8	
m&p-Xylene	**55100**	ug/kg	1370	571	10	08/26/10 07:38	08/26/10 16:51	179601-23-1	
o-Xylene	**14000**	ug/kg	685	285	10	08/26/10 07:38	08/26/10 16:51	95-47-6	
a,a,a-Trifluorotoluene (S)	102	%	80-120		10	08/26/10 07:38	08/26/10 16:51	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.4**	%	0.10	0.10	1		08/26/10 07:51		

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ANALYTICAL RESULTS

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Sample: GP3 **Lab ID: 4036134009** Collected: 08/20/10 12:30 Received: 08/24/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		08/26/10 08:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		08/26/10 08:26	108-67-8	
Benzene	**<0.39**	ug/L	1.0	0.39	1		08/26/10 08:26	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		08/26/10 08:26	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		08/26/10 08:26	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		08/26/10 08:26	91-20-3	
Toluene	**<0.42**	ug/L	1.0	0.42	1		08/26/10 08:26	108-88-3	
m&p-Xylene	**<0.87**	ug/L	2.0	0.87	1		08/26/10 08:26	179601-23-1	
o-Xylene	**<0.38**	ug/L	1.0	0.38	1		08/26/10 08:26	95-47-6	
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		08/26/10 08:26	98-08-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**1.9J**	ug/L	7.5	1.7	1		08/27/10 17:26	7439-92-1	

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ANALYTICAL RESULTS

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Sample: PW **Lab ID: 4036134010** Collected: 08/20/10 10:30 Received: 08/24/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		08/26/10 08:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		08/26/10 08:51	108-67-8	
Benzene	**<0.39**	ug/L	1.0	0.39	1		08/26/10 08:51	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		08/26/10 08:51	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		08/26/10 08:51	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		08/26/10 08:51	91-20-3	
Toluene	**<0.42**	ug/L	1.0	0.42	1		08/26/10 08:51	108-88-3	
m&p-Xylene	**<0.87**	ug/L	2.0	0.87	1		08/26/10 08:51	179601-23-1	
o-Xylene	**<0.38**	ug/L	1.0	0.38	1		08/26/10 08:51	95-47-6	
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		08/26/10 08:51	98-08-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<1.7**	ug/L	7.5	1.7	1		08/27/10 17:30	7439-92-1	

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ANALYTICAL RESULTS

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Sample: GP5 **Lab ID: 4036134011** Collected: 08/20/10 13:50 Received: 08/24/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		08/25/10 18:15	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		08/25/10 18:15	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		08/25/10 18:15	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		08/25/10 18:15	91-20-3	
Toluene	**<0.42**	ug/L	1.0	0.42	1		08/25/10 18:15	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		08/25/10 18:15	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		08/25/10 18:15	108-67-8	
m&p-Xylene	**<0.87**	ug/L	2.0	0.87	1		08/25/10 18:15	179601-23-1	
o-Xylene	**<0.38**	ug/L	1.0	0.38	1		08/25/10 18:15	95-47-6	
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		08/25/10 18:15	98-08-8	pH
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<1.7**	ug/L	7.5	1.7	1		08/27/10 17:34	7439-92-1	

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ANALYTICAL RESULTS

Project: 06343.02.001 STH76
Pace Project No.: 4036134

Sample: TRIP BLANK **Lab ID: 4036134012** Collected: 08/20/10 00:00 Received: 08/24/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		08/25/10 16:06	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		08/25/10 16:06	108-67-8	
Benzene	**<0.39**	ug/L	1.0	0.39	1		08/25/10 16:06	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		08/25/10 16:06	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		08/25/10 16:06	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		08/25/10 16:06	91-20-3	
Toluene	**<0.42**	ug/L	1.0	0.42	1		08/25/10 16:06	108-88-3	
m&p-Xylene	**<0.87**	ug/L	2.0	0.87	1		08/25/10 16:06	179601-23-1	
o-Xylene	**<0.38**	ug/L	1.0	0.38	1		08/25/10 16:06	95-47-6	
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		08/25/10 16:06	98-08-8	

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QUALITY CONTROL DATA

Project: 06343.02.001 STH76
Pace Project No.: 4036134

QC Batch: OEXT/8517 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 4036134001, 4036134003, 4036134004, 4036134005, 4036134007, 4036134008

METHOD BLANK: 346750 Matrix: Solid
Associated Lab Samples: 4036134001, 4036134003, 4036134004, 4036134005, 4036134007, 4036134008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<0.99	2.0	09/01/10 13:00	

LABORATORY CONTROL SAMPLE & LCSD: 346751 346752

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	37.0	39.1	92	98	70-120	6	20	

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QUALITY CONTROL DATA

Project: 06343.02.001 STH76
Pace Project No.: 4036134

QC Batch: GCV/5517 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 4036134001, 4036134003, 4036134004, 4036134005, 4036134007, 4036134008

METHOD BLANK: 346392 Matrix: Solid
Associated Lab Samples: 4036134001, 4036134003, 4036134004, 4036134005, 4036134007, 4036134008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	08/26/10 09:11	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	08/26/10 09:11	
Benzene	ug/kg	<25.0	60.0	08/26/10 09:11	
Ethylbenzene	ug/kg	<25.0	60.0	08/26/10 09:11	
Gasoline Range Organics	mg/kg	<2.5	2.5	08/26/10 09:11	
m&p-Xylene	ug/kg	<50.0	120	08/26/10 09:11	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	08/26/10 09:11	
Naphthalene	ug/kg	<25.0	60.0	08/26/10 09:11	
o-Xylene	ug/kg	<25.0	60.0	08/26/10 09:11	
Toluene	ug/kg	<25.0	60.0	08/26/10 09:11	
a,a,a-Trifluorotoluene (S)	%	100	80-120	08/26/10 09:11	

LABORATORY CONTROL SAMPLE & LCSD: 346393 346394

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1010	1010	101	101	80-120	.1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1030	1030	103	103	80-120	.2	20	
Benzene	ug/kg	1000	1020	1010	102	101	80-120	1	20	
Ethylbenzene	ug/kg	1000	1050	1040	105	104	80-120	.6	20	
Gasoline Range Organics	mg/kg	10	10.4	9.6	104	96	80-120	7	20	
m&p-Xylene	ug/kg	2000	2090	2080	105	104	80-120	.6	20	
Methyl-tert-butyl ether	ug/kg	1000	974	968	97	97	80-120	.6	20	
Naphthalene	ug/kg	1000	992	1000	99	100	80-120	1	20	
o-Xylene	ug/kg	1000	1040	1040	104	104	80-120	.4	20	
Toluene	ug/kg	1000	1040	1030	104	103	80-120	.5	20	
a,a,a-Trifluorotoluene (S)	%				105	105	80-120			

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QUALITY CONTROL DATA

Project: 06343.02.001 STH76
Pace Project No.: 4036134

QC Batch: GCV/5516 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 4036134002, 4036134006, 4036134009, 4036134010, 4036134011, 4036134012

METHOD BLANK: 345921 Matrix: Water
Associated Lab Samples: 4036134002, 4036134006, 4036134009, 4036134010, 4036134011, 4036134012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	08/25/10 14:23	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	08/25/10 14:23	
Benzene	ug/L	<0.39	1.0	08/25/10 14:23	
Ethylbenzene	ug/L	<0.41	1.0	08/25/10 14:23	
m&p-Xylene	ug/L	<0.87	2.0	08/25/10 14:23	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	08/25/10 14:23	
Naphthalene	ug/L	<0.40	1.0	08/25/10 14:23	
o-Xylene	ug/L	<0.38	1.0	08/25/10 14:23	
Toluene	ug/L	<0.42	1.0	08/25/10 14:23	
a,a,a-Trifluorotoluene (S)	%	100	80-120	08/25/10 14:23	

LABORATORY CONTROL SAMPLE & LCSD: 345922 345923

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.1	20.4	100	102	80-120	2	20	
1,3,5-Trimethylbenzene	ug/L	20	20.0	20.3	100	101	80-120	1	20	
Benzene	ug/L	20	20.7	20.7	104	103	80-120	.1	20	
Ethylbenzene	ug/L	20	20.3	20.5	101	102	80-120	.9	20	
m&p-Xylene	ug/L	40	40.3	40.8	101	102	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	22.7	22.2	114	111	80-120	2	20	
Naphthalene	ug/L	20	21.4	21.2	107	106	80-120	.9	20	
o-Xylene	ug/L	20	20.3	20.4	101	102	80-120	.7	20	
Toluene	ug/L	20	20.6	20.6	103	103	80-120	.1	20	
a,a,a-Trifluorotoluene (S)	%				100	100	80-120			

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QUALITY CONTROL DATA

Project: 06343.02.001 STH76
Pace Project No.: 4036134

QC Batch: ICP/3802 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 4036134002, 4036134006, 4036134009, 4036134010, 4036134011

METHOD BLANK: 347353 Matrix: Water
Associated Lab Samples: 4036134002, 4036134006, 4036134009, 4036134010, 4036134011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<1.7	7.5	08/27/10 16:26	

LABORATORY CONTROL SAMPLE: 347354

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	500	495	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 347355 347356

Parameter	Units	4033902001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	<1.7	500	500	501	498	100	99	75-125	.6	20	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 06343.02.001 STH76
Pace Project No.: 4036134

QC Batch: PMST/4464 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4036134001, 4036134003, 4036134004, 4036134005, 4036134007, 4036134008

SAMPLE DUPLICATE: 346001

Parameter	Units	4036134001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.6	22.7	.4	10	

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QUALIFIERS

Project: 06343.02.001 STH76
Pace Project No.: 4036134

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: GCV/5516

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

S7	Surrogate recovery outside control limits (not confirmed by re-analysis).
W	Non-detect results are reported on a wet weight basis.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

UPPER MIDWEST REGION
MN: 612-607-1700 **WI:** 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	RMT
Branch/Location:	Madison
Project Contact:	Dan Hack
Phone:	608 831 4444
Project Number:	06343.02.001
Project Name:	STH 76
Project State:	WI
Sampled By (Print):	Dan Hack
Sampled By (Sign):	Dan Hack
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Dan Hack
Mail To Company:	RMT
Mail To Address:	7414 Cart Hand Tr Madison WI 53717
Invoice To Contact:	Accounts Payable
Invoice To Company:	RMT
Invoice To Address:	Send
Invoice To Phone:	608 831 4444

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, W = Water, B = Biota, DW = Drinking Water, C = Charcoal, GW = Ground Water, O = Oil, SW = Surface Water, S = Soil, WW = Waste Water, SI = Sludge, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	PVOCs trip blank	Lead	GRO	DRO	dry weight	LAB COMMENTS (Lab Use Only)
	Analyses Requested				Y/N	N	Y	N	N	N		
					Pick Letter	F	D	F	A	A		
001	GP1	8/20/10	9:00	S			X		X	X	X	2-1-4ozag[A], 1-4ozcg[A], 1-40mL[F]
002	GP1		9:20	GW				X				1-250mL[D], 3-40mL[B]
003	SW North		9:15	S					X	X	X	1-4ozag[A], 1-4ozcg[A], 1-40mL[F]
004	TP		9:30	S					X	X	X	
005	GP2		1025	S			X		X	X	X	
006	GP2		1025	GW			X	X				1-250mL[D], 3-40mL[B]
007	SW West		1158	S			X		X	X	X	1-4ozag[A], 1-4ozcg[A], 1-40mL[F]
008	Base		1205	S			X		X	X	X	
009	GP3		1230	GW			X	X				1-250mL[D], 3-40mL[B]
010	PW		1030	GW			X	X				
011	GP5		1350	GW			X	X				
012	Trip Blank*											2-40mL[B]

Client Comments	Profile #

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	8/20/10 1700	RMT Cooler	
RMT	8/23/10 0800	D. Fenner	8/23/10 0900
D. Fenner	8/23/10 1700		
CS Logistics	8/24/10 0900	Brenda Fenton	8/24/10 0900

PACE Project No. 4036134
Receipt Temp = 1.07 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

* added to COC by lab. 8-24

ORIGINAL

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Sample Condition Upon Receipt

Client Name: RMT Project # 4036134

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None Other

Optional
Proj. Due Date:
Proj. Name:

Thermometer Used NA Type of Ice: (Wet) Blue Dry None ☐ Samples on ice, cooling process has begun

Cooler Temperature R07 Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 8-24-10
Initials: BF

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8. 9B-5 vials have abundent sediment. AE 8/24/10
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: S, W		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed BF / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16. Added H2O TB to COC by lab. Rcvd in cooler. AE 8/24/10
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: for TW **Date:** 8/24/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Appendix I
Bioremediation Request

Walter, Mark

From: Sheskey, Teresa
Sent: Monday, August 16, 2010 5:55 PM
To: Joe.DiGiorgio@veoliaes.com
Cc: Greg.Holtzen@veoliaes.com; Sharlene.TeBeest@dot.wi.gov; Kathie.VanPrice@dot.wi.gov; Walter, Mark; Haak, Dan; Fish, Dick
Subject: 6517-07-74 Bioremediation Request - STH 76 Stephensville
Attachments: 6517-07-74_STH 76 Stephensville_Bioremediation Project Request_08-16-10.pdf

Joe,

Attached is a Bioremediation Request for soil excavated for tank abandonment required for the reconstruction of STH 76 in Stephensville. Preliminary laboratory results are included for waste characterization sample "WC". We should receive the final results within the next day or two, and will forward them onto you at that time. We'd like to use the Hickory Meadows Landfill in Hilbert. We believe the source of contamination is leaded gasoline from leaking underground storage tanks.

Please contact Mark Walter at 608-662-5138 if you have any questions.

Regards,
Teresa

Teresa Sheskey, Senior Project Assistant | RMT | 744 Heartland Trail Madison WI 53717 | Direct: 608.662.5210 | Fax: 608.831.3334 | CREATING BALANCE

BIOREMEDIATION AND DIRECT LAND FILLING PROJECT REQUEST

Wisconsin Department of Transportation
DT2219 4/2008

Reference: ss.287.03, 289.05, 289.06, 289.43(8), 289.67, 292.11, 292.15, 292.31, and 227.11(2) Wis. Stats.
NR718 WI Admin. Code

Instructions: Use this form to request disposal, under the statewide hazardous waste disposal contract, of the following: petroleum contaminated soils, river sediments, miscellaneous solid wastes, materials that do not rquire remediation, and other soils/materials that do not fall under the hazardous waste category of disposal. Refer to FDM procedure 21-35-50.

Remember to use File, Save As, to save a copy of this document for your records.

Check One: ☒ Bioremediation		☐ Direct Land Filling
Region Office Northeast - Green Bay		Region Contact Person – Name
Area Code – Telephone Number	FAX Number	E-Mail Address
Region Environmental / Hazardous Material Coordinator / Engineer Name Kathie VanPrice		
Area Code – Telephone Number 920-492-7175	FAX Number	E-Mail Address Kathie.VanPrice@dot.wi.gov
Consulting Firm Name and Address RMT, Inc. 744 Heartland Trail Madison, WI 53717		Consultant Contact Name Mark Walter
Area Code – Telephone Number 608-662-5138	FAX Number 608-831-3334	E-Mail Address mark.walter@rmtinc.com
Highway Name and Termini STH 76		WIDOT Project ID 6517-07-74
Site Name and Location SW corner STH 76 & Mason St.		County Outagamie
Generation Date 8/20/2010	☒ Estimated	☐ Actual
Estimated Soil Quantity 200	☒ Tons	☐ Cubic Yards
Services Required ☐ Loading	☐ Hauling	☒ Disposal

Comments
See attachments for representative soil sample.

Consultant: Send one copy to each of the following four persons:

1) Hazardous Waste Disposal Contractor – Include lab results and site location map
E-Mail: Joe.DiGiorgio@VeoliaES.com
Telephone: (262) 253-3346 x 43; FAX: (262) 255-5794

2) WIDOT BEES – Hazardous Materials Specialist
E-Mail: Sharlene.Tebeest@dot.state.wi.us
Telephone (608) 266-1476; FAX: (608) 266-7818

Those indicated above:
3) Region Contact
4) Region Environmental / Hazardous Material Coordinator / Engineer

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Sample: WC **Lab ID: 4035498002** Collected: 08/06/10 10:30 Received: 08/10/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082								
PCB-1016 (Aroclor 1016)	**<4.5**	ug/kg	37.3	4.5	1	08/11/10 12:32	08/12/10 20:04	12674-11-2	
PCB-1221 (Aroclor 1221)	**<9.0**	ug/kg	37.3	9.0	1	08/11/10 12:32	08/12/10 20:04	11104-28-2	
PCB-1232 (Aroclor 1232)	**<9.0**	ug/kg	37.3	9.0	1	08/11/10 12:32	08/12/10 20:04	11141-16-5	
PCB-1242 (Aroclor 1242)	**<6.8**	ug/kg	37.3	6.8	1	08/11/10 12:32	08/12/10 20:04	53469-21-9	
PCB-1248 (Aroclor 1248)	**<6.8**	ug/kg	37.3	6.8	1	08/11/10 12:32	08/12/10 20:04	12672-29-6	
PCB-1254 (Aroclor 1254)	**<5.6**	ug/kg	37.3	5.6	1	08/11/10 12:32	08/12/10 20:04	11097-69-1	
PCB-1260 (Aroclor 1260)	**<10.2**	ug/kg	37.3	10.2	1	08/11/10 12:32	08/12/10 20:04	11096-82-5	
PCB-1262 (Aroclor 1262)	**<4.5**	ug/kg	37.3	4.5	1	08/11/10 12:32	08/12/10 20:04	37324-23-5	
PCB-1268 (Aroclor 1268)	**<4.5**	ug/kg	37.3	4.5	1	08/11/10 12:32	08/12/10 20:04	11100-14-4	
Tetrachloro-m-xylene (S)	93	%	55-125		1	08/11/10 12:32	08/12/10 20:04	877-09-8	
Decachlorobiphenyl (S)	93	%	55-125		1	08/11/10 12:32	08/12/10 20:04	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**4.2**	mg/kg	2.0	1.0	1	08/11/10 09:33	08/11/10 10:07		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<50.0**	ug/kg	120	50.0	2	08/11/10 09:15	08/11/10 16:23	71-43-2	W
Ethylbenzene	**861**	ug/kg	136	56.5	2	08/11/10 09:15	08/11/10 16:23	100-41-4	
Gasoline Range Organics	**240**	mg/kg	5.6	5.6	2	08/11/10 09:15	08/11/10 16:23		
Methyl-tert-butyl ether	**<50.0**	ug/kg	120	50.0	2	08/11/10 09:15	08/11/10 16:23	1634-04-4	W
Naphthalene	**1930**	ug/kg	136	56.5	2	08/11/10 09:15	08/11/10 16:23	91-20-3	B
Toluene	**83.1J**	ug/kg	136	56.5	2	08/11/10 09:15	08/11/10 16:23	108-88-3	
Total Trimethylbenzenes	**13500**	ug/kg	271	113	2	08/11/10 09:15	08/11/10 16:23		
1,2,4-Trimethylbenzene	**8540**	ug/kg	136	56.5	2	08/11/10 09:15	08/11/10 16:23	95-63-6	
1,3,5-Trimethylbenzene	**4920**	ug/kg	136	56.5	2	08/11/10 09:15	08/11/10 16:23	108-67-8	
Xylene (Total)	**7500**	ug/kg	407	169	2	08/11/10 09:15	08/11/10 16:23	1330-20-7	
m&p-Xylene	**5750**	ug/kg	271	113	2	08/11/10 09:15	08/11/10 16:23	179601-23-1	
o-Xylene	**1750**	ug/kg	136	56.5	2	08/11/10 09:15	08/11/10 16:23	95-47-6	
a,a,a-Trifluorotoluene (S)	116	%	80-120		2	08/11/10 09:15	08/11/10 16:23	98-08-8	
8260 MSV TCLP	Analytical Method: EPA 8260								
Benzene	**<4.1**	ug/L	10.0	4.1	1		08/12/10 13:10	71-43-2	
2-Butanone (MEK)	**<43.0**	ug/L	50.0	43.0	1		08/12/10 13:10	78-93-3	
Carbon tetrachloride	**<4.9**	ug/L	10.0	4.9	1		08/12/10 13:10	56-23-5	
Chlorobenzene	**<4.1**	ug/L	10.0	4.1	1		08/12/10 13:10	108-90-7	
Chloroform	**<3.7**	ug/L	10.0	3.7	1		08/12/10 13:10	67-66-3	
1,2-Dichloroethane	**<3.6**	ug/L	10.0	3.6	1		08/12/10 13:10	107-06-2	
1,1-Dichloroethene	**<5.7**	ug/L	10.0	5.7	1		08/12/10 13:10	75-35-4	
Tetrachloroethene	**<4.5**	ug/L	10.0	4.5	1		08/12/10 13:10	127-18-4	
Trichloroethene	**<4.8**	ug/L	10.0	4.8	1		08/12/10 13:10	79-01-6	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	1		08/12/10 13:10	75-01-4	
Toluene-d8 (S)	101	%	70-130		1		08/12/10 13:10	2037-26-5	
4-Bromofluorobenzene (S)	92	%	69-130		1		08/12/10 13:10	460-00-4	
Dibromofluoromethane (S)	106	%	70-134		1		08/12/10 13:10	1868-53-7	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 06343.01.001 STH76 STEPHENS.
Pace Project No.: 4035498

Sample: WC **Lab ID: 4035498002** Collected: 08/06/10 10:30 Received: 08/10/10 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.5**	%	0.10	0.10	1		08/11/10 07:58		

Pace Analytical - Green Bay
Attention: Tod Noltemeyer
1241 Bellvue St.
Green Bay,WI 54302

Date Received: 08/12/2010
Date Reported: 8/13/2010
Client Project: Soil Test
Client Project ID: 06343.01.001 STH76 Stephens
Project #: 06343.01.001 STH76 Stephens

Certificate of Analysis

All quality control samples and checks were within acceptance limits unless otherwise indicated.Test results pertain only to those items tested. All samples were in good condition when received by the laboratory unless otherwise noted. All LOD/LOQs are adjusted to reflect dilutions.

DNR #	Analyte	Result Wet Wt.	LOD Wet Wt.	Result Dry Wt.	LOD Dry Wt.	Units	Date Prepared	Date Analyzed	Method	Notes
STH0407-01	**WC (4035498002)**					**Date Sampled: 08/06/2010**				
	Preparation: SW-846 5050					Prepared By: GGG				
	Chlorine as Cl	0.024	0.010	0.027	0.011	% Wt.	08/13/2010	08/13/10	D808	
	Solids		90.99	% Wt.			08/13/2010	08/13/10	EPA 160.3	

J This result is greater than our LOD (Limit of Detection) and less than our LOQ (Limit of Quantitation).

This report was prepared and printed by:

Gary Geipel, SIA Department Manager

SF Analytical Laboratories • 2345 South 170th Street • New Berlin, WI 53151
Phone: (262) 754-5300 • Toll Free: (800) 300-6700 • Fax: (262) 754-5310 • sflabs.com
Wisconsin Dept. of Trade and Consumer Protection Certified #168 • Dept. of Natural Resources State Certified Laboratory #241249360
FDA Registered Laboratory #2134640 • USDA Soil Permit #S-76521

Appendix J
Landfill Activity Report

Activity Report

JOB NO: **1193066000** WO NO: **1193066000**
BILL DOC NO **WE00100532**
GENERATOR NO **572436** EPA ID: **NONEREQUIRED**

BILL TO: **WISC DEPT TRANSPORTATION**
BUREAU OF EQUITY & ENV.SERVICE
PO BOX 7965 ROOM 451
MADISON, WI 53707-7965
(608) 266-1476

JOB SITE: **WISC DOT/BOE-STH 76 & MASON ST**
SW CORNER OF STH 76 & MASON ST
PROJECT ID# 6517-07-74
STEPHENSVILLE, WI 54944
(608) 662-5274

CONTACT: **SHAR TEBEEST**

CONTACT: **DAN HAAK (RMT)**

MANIFEST NUMBER(S):
SHM1193066

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		10/05/2010	CB2

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
Manifest # SHM1193066 WIP 147852 / Approval BIOHML10-152 CONTAMINATED SOIL	1	20YDRO-CM	105	T	1 / 1	

Total Hours: **0**
# of Containers: **1**
Total Tons: **105**

Comments:
ACTUAL WEIGHT IS 104.83 TONS.

By: _____

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

Appendix K
Soil Boring Logs and Borehole Abandonment Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
STH 76		GP-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Environmental	8/20/2010	8/20/2010	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.1 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Stephensville

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 48		0	**CLAYEY SAND WITH GRAVEL (SC),** fine to medium grained, small gravel, light red brown, no odor, moist.	SC			<1						
2 CS	48 24		4					<1						
3 CS	48 48		6	**SANDY CLAY WITH GRAVEL (CL),** medium grained, trace small gravel, red brown, no odor, moist, very stiff. As above, medium to large gravel.	CL			<1						
4 CS	48 48		12	**CLAYEY SAND WITH GRAVEL (SC),** medium grained, medium to large gravel, red brown, no odor, moist. As above, odor at 14 feet bgs.	SC			8.0						
5 CS	48 48		16	**SANDY SILT (ML),** fine grained, light red brown, slight odor, wet.	ML			<1						
			18	**POORLY GRADED SAND WITH SILT (SP),** fine grained, light red brown, no odor, wet.	SP									
			20	**SILT (ML),** light red brown, no odor, wet, stiff. E.O.B. at 20 feet bgs.	ML									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
	RMT, Inc. 744 Heartland Trail Madison, WI 53717	608-831-4444 Fax: 608-831-3334

WDNR SBL 1998 06343.GPJ WI DNR 2003.GDT 10/1/10

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
STH 76		GP-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Environmental	8/20/2010	8/20/2010	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.1 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Stephensville

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 48		0	**POORLY GRADED GRAVEL (GP),** medium gravel, no odor, dry. Road Base.	GP			<1						
			2.5	**SANDY CLAY WITH GRAVEL (CL),** fine to medium grained, small to large gravel, red brown, no odor, moist, stiff.										
2 CS	48 48		5.0		CL			<1						
			7.5											
3 CS	48 48		10.0	As above, decreasing sand, small gravel.				<1						
4 CS	48 48		12.5	**CLAY WITH GRAVEL (CL),** medium gravel, red brown, no odor, moist, stiff. As above, odor.	CL			<1						
			15.0											
5 CS	48 48		17.5	**SANDY CLAY WITH GRAVEL (CL),** medium grained, small to medium gravel, red brown, slight odor, very wet, soft.	CL SP			446						
					SM1			35.9						
			20.0	**POORLY GRADED SAND (SP),** medium grained sand, red brown with gray staining, odor, wet.	ML1 SP			3.2						
				SILTY SAND (SM), fine grained, light red brown, odor, very wet.										
				SILT (ML), red brown, no odor, wet, stiff.										
				POORLY GRADED SAND (SP), meidum grained, red brown, no odor, wet.										
				E.O.B. at 20 feet bgs.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
	RMT, Inc. 744 Heartland Trail Madison, WI 53717	608-831-4444 Fax: 608-831-3334

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
STH 76		GP-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Environmental	8/20/2010	8/20/2010	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.1 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Stephensville

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	144 0		0–12	BLIND DRILL TO 12 FEET BGS.										
2 CS	48 48		12–16	**SANDY CLAY WITH GRAVEL (CL),** medium grained, red brown, no odor, wet. As above, no gravel, soft.	CL			<1						
3 CS	48 48		16–20	**CLAYEY SAND WITH GRAVEL (SC),** medium grained, trace small gravel, red brown, no odor, wet.	SC			<1						
			20	E.O.B. at 20 feet bgs.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm RMT, Inc. 744 Heartland Trail Madison, WI 53717 Tel: 608-831-4444 Fax: 608-831-3334

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
STH 76		GP-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Environmental	8/20/2010	8/20/2010	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.1 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Stephensville

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	144 0		0–12	BLIND DRILL TO 12 FEET BGS.										
2 CS	48 48		12–14	**CLAY WITH SAND AND GRAVEL (CL),** medium grained, trace small gravel, red brown, odor, moist, stiff.	CL			1375 341						
3 CS	48 48		14–20	**POORLY GRADED SAND (SP),** medium grained, light red brown, odor, wet. NOT LOGGED DUE TO HIGH PID, STRONG ODOR, AND STAINING PRESENT. REFER TO STEP OUT BORING GP-5 FOR COMPLETE LITHOLOGY. E.O.B. at 20 feet bgs.	SP			1538						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm RMT, Inc. 744 Heartland Trail Madison, WI 53717 Tel: 608-831-4444 Fax: 608-831-3334

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

WDNR SBL 1998 06343.GPJ WI DNR 2003.GDT 10/1/10

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
STH 76		GP-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Environmental	8/20/2010	8/20/2010	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.1 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Stephensville

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	144 0		2 4 6 8 10	BLIND DRILL TO 12 FEET BGS.										
2 CS	48 48		12 14 16	**CLAYEY SAND WITH GRAVEL (SC),** medium grained, small to large gravel, red brown, no odor, wet.	SC			<1						
				POORLY GRADED SAND (SP), medium grained sand, red brown, no odor, wet.	SP									
				CLAY (CL), red brown, no odor, wet, stiff.	CL									
				E.O.B. at 16 feet bgs.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm RMT, Inc. 744 Heartland Trail Madison, WI 53717 Tel: 608-831-4444 Fax: 608-831-3334

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Appendix L
Responsible Party Letter

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
2984 Shawano Ave.
Green Bay, Wisconsin 54313-6727
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

September 1, 2010

Ms. Sharlene TeBeest
WI DOT - Equity & Env Services
4802 Sheboygan Ave, Rm 451
Madison, WI 53707-7965

Subject: Reported Contamination at **White Property - WI DOT**, WI
WDNR BRRTS Activity # **03-45-555892**

Dear Ms. TeBeest:

On August 16, 2010, Dan Haak, of RMT Inc, notified the Wisconsin Department of Natural Resources ("WDNR") that petroleum contamination had been detected at the site described above.

Based on the information that has been submitted to the WDNR regarding this site, we believe you are responsible for investigating and restoring the environment at the above-described site under Section 292.11, Wisconsin Statutes, known as the hazardous substances spills law.

This letter describes the legal responsibilities of a person who is responsible under Section 292.11, explains what you need to do to investigate and clean up the contamination, and provides you with information about cleanups, environmental consultants, possible financial assistance, and working cooperatively with the WDNR, Department of Commerce ("Commerce") or the Department of Agriculture, Trade and Consumer Protection.

Legal Responsibilities:
Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11 (3) Wisconsin Statutes, states:

- RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Code chapters NR 700 through NR 749 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Additional Information for Site Owners:
We encourage you to visit our website at http://dnr.wi.gov/org/aw/rr, where you can find information on selecting a consultant, financial assistance and understanding the cleanup process. You will also find information there about liability clarification letters, post-cleanup liability and more.

Information to help you select a consultant, materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method are enclosed. In addition, *Fact Sheet 2 – Voluntary Party Remediation and Exemption from Liability* is enclosed and provides information on obtaining protection of limited liability under s. 292.15, Wis. Stats.

If you have questions, call **Elizabeth Victor, (920) 303-5424** for more information or visit the RR web site at the address above.

Thank you for your cooperation.

Sincerely,

Diane E. Hansen

Diane E. Hansen
Environmental Program Associate
Remediation & Redevelopment Program

Enclosures:
1. Remediation & Redevelopment Program
2. Environmental Contamination – The Basics
3. Selecting an Environmental Consultant
4. Environmental Services Contractor List
5. Fact Sheet 2, VPLE
6. CLEAN – Pub-RR-788
7. Information about PECFA

cc: Dan Haak, RMT, Inc, 744 Heartland Trail, Madison, WI 53717
Elizabeth Victor - DNR, Oshkosh

Attach. Excavation Area Map
Soil Analytical Results Table